SounPacific
Environmental Services
(707) 269-0884

Report of Findings

For the September 28, 2005 and October 5 & 11, 2005 Subsurface Investigation

&

November 8 through 11, 2005 Excavation of Contaminated Soil

Site:

Big Oil & Tire Glendale BP Mini Mart (Glendale 76)
1497 Glendale Road
Arcata, California 95521

LOP # 12170

Prepared for:

Big Oil & Tire Co.

Dated:

March 27, 2006

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 EXECUTIVE SUMMARY

In September and October 2005, SounPacific Environmental Services (SounPacific) conducted a subsurface investigation at the leaking underground facility tank (LUFT) site located at 1497 Glendale Road, Arcata, California (Glendale 76). Based upon the results of the subsurface investigation, along with previous investigation, in November 2005, contaminated soil was excavated and disposed of offsite. The work was conducted at the request of Big Oil & Tire Co. (BO&T), the responsible party for the cleanup of the site. Based on findings of all the activities, including visual observations, field screening, and laboratory analytical results, SounPacific concludes the following:

- On September 28, 2005, SounPacific hand-augured six (6) horizontal borings from the sidewalls of the underground storage tank (UST) excavation pit. Soil analytical results indicated elevated hydrocarbon concentrations on the north and south sidewalls, which were the walls that were adjacent to both ends of the former USTs. Total Petroleum Hydrocarbons as gasoline (TPHg) was detected at the highest concentration (810 parts per million (ppm)) at a horizontal depth of one (1) foot into the southeast sidewall. TPH as diesel (TPHd) was detected at the highest concentration (160 ppm) at a horizontal depth of three (3) feet into the northwest sidewall.

- On October 5, 2005, SounPacific collected eight (8) samples along the piping runs at depths of 1.5 feet and two (2) feet below ground surface (bgs). Soil analytical results indicated that release(s) had occurred from the associated piping and/or piping trenches and could have been acting as preferential pathways for dissolved phase hydrocarbon migration.

- On October 11, 2005, SounPacific eight (8) direct-push borings were drilled and sampled. Continuous core soil samples were collected around the estimated perimeter of the upcoming excavation to delineate the extent of the excavation. Soil and

groundwater samples were submitted for analysis. Soil analytical results from samples collected to a maximum depth of 12 feet bgs indicated that the extent of the upcoming excavation would include the area south of the UST excavation extending south to the southern dispenser island, including the area surrounding both former dispenser islands. TPHg (4,740 ppm), benzene, toluene, xylenes, ethylbenzene (BTXE) (1,224.9 ppm), methyl tertiary butyl ether (MTBE) (128 ppm), and tertiary amyl methyl ether (TAME) (20.3 ppm) were detected at the highest concentrations at a depth of four (4) feet bgs adjacent to the southwest corner sidewall of the UST pit.

- Grab groundwater samples were collected from two of the borings (eastern boring PB-11 and western boring PB-18) drilled at the site. Groundwater analysis did not report any TPHg or BTEX, however, MTBE (PB-11, 21.2 ppb and PB-18, 5.7 ppb) and TAME (PB-11, 3.4 ppb and PB-18, 5.7 ppb) were reported in the groundwater samples. TPHd and TPH as motor oil (TPHmo) were also detected in these borings.

- During November 8-11, 2005, SounPacific supervised the excavation and remove the TPHg contaminated soil that had been identified during subsurface investigations at the site and the removal of the USTs. Using a TPHg clean-up standard of 100 ppm (certified laboratory data) and a field screening standard of 300 ppm with a PID field reading, the contaminated soil was excavated and removed from the site. Once field screening indicated that the clean-up standard had been achieved, seven (7) sidewall soil samples were collected at various locations around the perimeter of the excavation and one (1) soil sample was collected from the excavation bottom. Laboratory analysis of all confirmation samples indicated that the clean-up standard had been met, and no further excavation was necessary to achieve remedial goals.

- A total of 335.34 tons (approximately 450 cubic yards) of petroleum-impacted soil was excavated and shipped to Bio Industries in Red Bluff, California for disposal.

2.0 INTRODUCTION

This report was prepared by SounPacific on behalf of BO&T, the responsible party for the investigation and cleanup of the Glendale 76 facility, to document the findings of recent investigations and the removal of contaminated soil that was conducted at the site during the period September 28, 2005, and November 11, 2005. The purpose of this *Report of Findings* is to present and discuss the recent activity, sampling activity and results, interpret the soil analytical results, and provide recommendations for future activity.

This investigation was instigated when the Humboldt County Department of Heath and Human Services: Division of Environmental Heath (HCDEH), in a letter dated August 1, 2005, requested SounPacific to submit the findings from the removal of the UST's combined with a Work Plan to conduct additional subsurface investigation with the objective of delineating the extent of the soil contamination at the Site. All investigative work was conducted in accordance with the approved *Subsurface Investigation Workplan and UST Removal Report*, dated August 30, 2005, with the soil excavation following the scope of work outlined in the approved *Excavation Workplan*, dated January 24, 2004. All work was conducted in accordance with Section 2724 of the California Underground Storage Tank Regulations. Multiple activities were combined into one report to reduce the overall costs on this project.

2.1 Site Location

The site is located within Arcata, California, with a physical address of 1497 Glendale Road, Arcata, California. The station is positioned adjacent to the north side of Glendale Road. The site is approximately four miles northeast of downtown Arcata (Figure 1).

2.2 Site Description

The subject property is currently vacant. The property consists of a single story building with an attached storage building. Surfaces on the site consist of concrete, asphalt, gravel, and vegetation. The main structure is positioned in the center of the property with the entrance to the building facing south towards Glendale Road. A second storage building is located next to the eastern property line in the southern portion of the property (Figure 2).

Four (4) 4,000-gallon USTs were located in a single excavation adjacent to the southeast corner of the primary structure, and were previously used for storage of three (3) grades of unleaded gasoline. Two (2) dispensers, which were previously used for dispensing fuel on site, were located on a cement island adjacent to the entrance of the primary structure. The site is serviced by public utilities. Surface water flows into storm drains (Figure 2).

2.3 Vicinity Description

The surrounding land use is rural with an interspersion of commercial and residential properties. Murphy's Market resides adjacent to the west of the site. Residential properties lie directly to the east of the site. Blue Lake Forest Products lies adjacent to the north of the site. Glendale Road runs adjacent to the southern property line. A commercial storage yard lies directly to the south of the site, adjacent to the south side of Glendale 76.

2.4 Geology and Hydrogeologic Setting

The site is located approximately 1,200 feet north of the Mad River and approximately 96 feet above mean sea level (amsl). The site is located in an area of low topographic relief (Figure 1). The site is located on a river terrace near the northern edge of the Mad River flood plain. The site is underlain predominately by gravelly river channel and sandy and silty flood plain deposits. Less significant amounts of alluvial and colluvial (landslide) deposits originating from adjacent upland areas may also be present underlying the site. If present, these deposits are characterized by angular rock fragments as distinguished from more rounded river

deposits and often interfinger (irregular and wedge shaped contacts) with the river deposits. River deposits commonly form lense shaped bodies and typically consist of varying quantities of interbedded medium and coarse sands, silts, clays and subrounded gravels.

Groundwater level measurements from the groundwater-monitoring program has determined that groundwater levels range from approximately eight (8) feet to 17 feet bgs with a general groundwater flow direction in a southerly direction (Table 1, Figure 3).

2.5 Current Site Usage & UST History

SounPacific understands that the property is owned by BO&T of Arcata, California. The subject property is currently vacant. Minimal information regarding UST history is available prior to the tank lining of the four (4) 4,000-gallon USTs in 1998.

3.0 PREVIOUS INVESTIGATIONS

Previous studies by Clearwater Group, Inc. (CGI) and SounPacific indicated the following historical information:

3.1 1998 Initial Subsurface Investigation (CGI)

In 1998, prior to the interior lining of the site's USTs, as part of the UST system upgrade requirements, HCDEH required a subsurface investigation to determine if a release had previously occurred associated with the USTs. On January 13, 1998, four (4) soil borings (B-1, B-2, B-3, and B-4) were drilled by Diamond Core Drilling of Redding, California in the vicinity of the site's USTs with the objective of collecting soil and groundwater samples to determine if any petroleum contamination was present that had originated from the UST system. In addition, three additional borings (B-5, B-6, and B-7) were hand augured for the collection of subsurface samples. The locations of the borings are shown in Figure 4. Soil and groundwater samples were collected from each boring location, and with the exception of

MTBE at levels of 17 parts per million (ppm), no contamination was identified in the soils. However, TPHg was reported in all four groundwater samples collected, along with elevated levels of BTXE and MTBE. The highest levels of groundwater contamination were reported from borings B-3 and B-4, located on the west and south sides of the USTs, respectively. Laboratory analytical results for the soil and groundwater samples from this investigation are summarized in Tables 2 and 3, respectively. Based upon the presences of the groundwater contamination, further subsurface investigation was requested by HCDEH in a correspondence dated March 24, 1998.

3.2 2002 Subsurface Investigation (SounPacific)

In April 2002, a subsurface investigation was conducted by SounPacific, in accordance with the CGI *Subsurface Investigation Workplan*, dated February 16, 1999, and the SounPacific *Subsurface Investigation Workplan Addendum*, dated December 1, 2001. The investigation consisted of advancing nine soil borings (B-8 through B-12, and MW-1 through MW-4) (Figure 4). Four monitoring wells were installed in the same positions as borings MW-1 through MW-4. Laboratory analytical reported minimal hydrocarbon concentrations in soils from borings B-10, B-12, and MW-1 (Table 2). However, elevated concentrations of TPHg, BTXE, MTBE, and TAME were detected in groundwater samples, particularly in the samples from borings B-10 and B-11 (Table 3), which were located to the south of the USTs. Following the investigation, HCDEH in a letter dated February 7, 2003 requested a work plan to investigate the downgradient extent of MTBE in the groundwater, and to evaluate the source of contamination on site. In a subsequent letter, dated October 8, 2003, HCDEH stated that they had been notified of UST removal activities to occur at Glendale 76, and recommended that during the tank removal activities accessible contaminated soil be removed, and following the removal activities a workplan be prepared to investigate soil and groundwater contamination downgradient of monitoring well MW-1 and boring B-12.

3.3 2004 UST Removal (Beacom)

On October 27th, 2004, Beacom Construction (Beacom) removed four 4,000-gallon gasoline USTs. Eight compliance soil samples were collected from UST pit at opposite ends of each UST and two additional soil samples were collected from the east and west sidewalls. Laboratory analytical reported elevated concentrations of TPHg and BTXE in samples 2S, 4N, and 4S (Table 2). In addition, elevated concentrations of TPHd were also detected in soil sample 2S. On August 30, 2005, SounPacific submitted a *Subsurface Investigation Workplan and UST Removal Report,* wherein SounPacific proposed additional subsurface investigation with soil borings located around the UST excavation, product delivery piping and dispenser island, and hand-auger borings installed horizontally within the UST excavation sidewalls. HCDEH concurred with the scope of the proposed investigation in a letter dated September 9, 2005.

3.4 Groundwater Monitoring (May 2002 to Current)

As of October 2005, 15 groundwater monitoring events had been conducted at the Site. The groundwater monitoring has consistently reported TPHg in wells MW-3 and MW-4, and TPHg has reported over 50 percent of time in wells MW-1 and MW-2. In all wells the levels of TPHg have decreased over time. TPHd and TPHmo have both been inconsistently reported in all wells. The BTEX presence has been similar to that of TPHg, particularly benzene that has been reported in MW-1 and MW-2, during all monitoring events. MTBE has been reported in all the Site's wells during every monitoring event, with the highest concentrations commonly in wells MW-3 and MW-4. Groundwater level data is included in Table 1, with analytical results from all the wells summarized in Table 4.

4.0 RECENT INVESTIGATION

4.1 2005 Subsurface Investigation (SounPacific)

During September and October 2005, SounPacific conducted a subsurface investigation that was conducted in three phases. Phase I was conducted on September 28, 2005, and consisted of hand-auguring six (6) horizontal borings (B-19 through B-24) in the sidewalls of the UST excavation pit at a depth of approximately five (5) feet bgs. Soil samples were collected from all borings at horizontal depths of one (1) and three (3) feet from the excavation walls. Phase II occurred on October 5, 2005, and consisted of soil sampling conduct along the routes of the former the product lines and vent piping, and beneath the fuel dispenser islands that were associated with the former USTs. Eight (8) soil samples (PR-1 through PR-8) were collected from these areas at depths of 1.5 feet and two (2) feet bgs. Phase III was conducted on October 11, 2005, and consisted of drilling eight (8) direct-push borings (B-11 through B-18), from which soil and groundwater samples were collected for analysis. The sampling locations are shown in Figure 5.

As each boring progressed, soil samples were visually inspected in the field, described and documented by the on site geologist for lithologic documentation of soil condition, classified using Unified Soil Classification System guidelines, and screened for organic vapors. Boring logs for each borehole are included in Appendix A.

4.1.1 Soil Collection Procedures

The twelve (12) soil samples from the horizontal hand-augered borings (B-19 through B-24) into the walls of the UST excavation pit, and the eight (8) shallow soil samples (PR-1 through PR-8) from beneath the system lines and dispenser island were collected in brass sleeves and placed in coolers on ice, and kept at or just below 4 degrees Celsius. All samples were transported to Basic Laboratory (Basic Labs), a state certified analytical laboratory in

Redding, California (ELAP #1677) for laboratory analysis under appropriate chain-of-custody documentation

The eight (8) direct-push continuous-core borings (B-11 through B-18) were drilled by Fisch Environmental using a truck mounted hydraulic drill rig using hollow steel piping with an inner two-inch steel sample sleeve, into which the samples were collected. With the exception of borings B-11 and B-18, which were drilled to 20 feet and 16 feet bgs, respectively, all borings were drilled to depths of 12 feet bgs. In all borings, soil samples were collected at four-foot intervals, lithologic changes, areas of obvious contamination, and at the soil/groundwater interface. Soil samples were collected by the field scientist for laboratory analysis and were inspected and documented by the on-site geologist for lithological documentation of soil condition and classification using the Unified Soil Classification System guidelines. The samples were collected in appropriate 4-oz jars, labeled for analysis, placed in coolers, and kept at approximately 4 degrees centigrade. All samples were transported to Basic Labs for laboratory analysis under appropriate chain-of-custody documentation.

4.1.2 Soil Analysis

Soil samples were submitted to Basic Lab for analysis. All soil samples were collected following the EPA guidelines for **SW 846 Method 5035** and analyzed for TPHg, BTXE, and five fuel oxygenates by **EPA Method 8260B** and for TPHd and TPHmo by **EPA Method 8015.** Additionally, two (2) samples collected from the system line trenches were also analyzed for total lead by **EPA Method 6010B.**

4.1.3 Groundwater Collection Procedures

Grab groundwater samples were collected from boreholes B-11 and B-18 to evaluate the extent of the groundwater contamination. Following the collection of the soil samples, a temporary well point of small diameter PVC screened well casing was installed into each

boring for water level measurements and sample collection. The temporary well casings were removed following the collection of the groundwater samples and the boreholes were grouted in accordance to industry standards. Groundwater samples were only obtained from borings B-11 and B-18. No groundwater samples were collected from boreholes B-12 through B-17 as groundwater was not encountered. No well purging was conducted prior to sample collection. Samples were collected using a pre-cleaned bailer, and the stored in laboratory supplied appropriate containers. All samples were transported to Basic for laboratory analysis under appropriate chain-of-custody documentation.

4.1.4 Groundwater Analysis

Groundwater samples were submitted to Basic for analysis. All groundwater samples were analyzed for TPHg, BTXE, and five-oxygenates by **EPA Method 8260B** and for TPHd and TPHmo by **EPA Method 8015**.

5.0 SITE INVESTIGATION RESULTS

5.1 Soil Analytical Results

5.1.1 Horizontal Hand-Auger Borings

The six horizontal borings into the walls of the former UST pit, at a depth of approximately five feet bgs, were conducted to assess the lateral extent of any soil contamination directly adjacent to the former USTs. From each boring, soil samples were collected at one (1) foot and three (3) feet, from the excavation walls. TPHg was reported in only one (1) of the one-foot samples (B-24), but was reported in four (4) of the three-foot samples, being reported at concentrations that ranged from 57 ppm (B-24 @ 3') to 500 ppm (B-21 @ 3'). BTXE was commonly reported at low concentration in the same samples that reported TPHg. With the exception of sample B-21 @ 3' and B-21 @ 3', concentrations of the BTEX compounds were

less that five (5) ppm. No fuel oxygenates were reported in any of the samples. TPHd and TPHmo were reported in the same five soil samples that reported TPHg. With the exception of sample B-21 @ 3' that reported TPHd at 160 ppm; all concentrations of the long chained hydrocarbons were below 75 ppm. The analytical results for the soil samples are summarized in Table 2, with the laboratory report included in Appendix B.

5.1.2 Product Line and Dispenser Sampling

Shallow soil samples were collected along the trait of the former UST system lines to assess and delineate the shallow soil contamination that may have originated from the systems piping. Samples PR-1, PR-3, and PR-4 were collected along the trait of piping that had connected the former UST to a former dispenser island (South Dispenser) that was removed many years ago. Samples PR-2, PR-5, and PR-6, were collected along the trait of piping that had connected the former UST to the dispenser island ("North Dispenser) that had been active prior to the closure of the facility) and samples PR-7 and PR-8 were along the USTs vent lines. TPHg, BTEX, and MTBE were all reported in seven of the eight samples analyzed. The only sample not reporting TPHg or MTBE was sample PR-8, located adjacent to the vent lines. This sample, also did not report any benzene, although low levels of toluene, xylenes, and ethylbenzene (less than 0.03 ppm) were reported. TPHd and TPHmo were reported in all eight samples, with TPHd concentrations ranging from 2.8 ppm (PR-8) to 180 ppm (PR-6), and TPHmo concentrations ranging from 20 ppm (PR-6) to 550 ppm (PR-2). In the samples that reported TPHg and benzene, TPHg concentrations ranged from 17 ppm (PR-2) to 620 ppm (PR-6), and benzene concentrations ranged from 0.019 ppm (PR-2) to 1.5 ppm (PR-6). All eight samples reported toluene, xylenes, and ethylbenzene, with toluene at concentrations from 0.027 ppm (PR-8) to 41 ppm (PR-6), xylenes at concentrations from 0.0277 ppm (PR-8) to 79 ppm (PR-6), and ethylbenzene at concentrations from 0.0060 ppm (PR-8) to 12 ppm (PR-6). Of the fuel oxygenates and additives, MTBE, TAME, ETBE, and TBA were reported in various samples. MTBE was reported in seven samples at concentrations ranging from 0.089 ppm (PR-2) to 59 ppm (PR-6). TAME was reported in six samples at concentrations ranging from 0.16 ppm (PR-5) to 9.0 ppm (PR-6), and TBA was reported in PR-7 and PR-4 at

concentrations of 1.6 ppm and 2.4 ppm, respectively. ETBE was reported in sample PR-1 at 1.7 ppm. Samples PR-2 and PR-6 were analyzed for total lead, with 18 ppm and 15 ppm, respectively, being reported. The analytical results for the soil samples are summarized in Table 2, with the laboratory report included in Appendix B.

5.1.3 Direct-Push Delineation Borings

A total of 25 soil samples from the eight (8) direct-push borings were retained and subjected to laboratory analysis. The analytical results reporting elevated concentrations of TPHg, BTXE, MTBE, and TAME in a number of the soil samples that were analyzed. TPHg was reported in 23 samples at concentrations ranging from 0.0655 ppm (PB-17 @ 4') to 4,740 ppm (PB-14 @ 4'). Of these samples, eleven samples removed concentrations in excess of 1,000 ppm. One or more of the BTEX compounds were reported in 22 of the 25 samples. In these samples, benzene was reported in 12 samples at concentrations ranging from 1.94 ppm (PB-18 @ 11') to 26.9 ppm (PB-14 @ 4'), toluene was reported in 18 samples at concentrations ranging from 0.0071 ppm (PB-12 @ 4') to 482 ppm (PB-14 @ 4'), xylenes were reported in 22 samples at concentrations ranging from 0.0051 ppm (PB-17 @ 4') to 610 ppm (PB-14 @ 4'), and ethylbenzene was reported in 13 samples at concentrations ranging from 0.0055 ppm (PB-17 @ 8') to 106 ppm (PB-14 @ 4'). MTBE was reported in 19 samples at concentrations ranging from 0.0074 ppm (PB-18 @ 8') to 128 ppm (PB-14 @ 4'). TAME was reported in 16 samples at concentrations ranging from 0.0061 ppm (PB-18 @ 15') to 20.3 ppm (PB-14 @ 4'). TBA was reported in three samples at concentrations ranging from 0.0526 ppm (PB-15 @ 11') to 0.0672 ppm (PB-11 @ 12'). Of the long chained hydrocarbons, TPHd was not reported in any of the samples, and TPHmo was only reported in sample PB-11 @ 8' at a concentration of 37 ppm. The complete soil analytical results are summarized in Table 2, with the laboratory report included in Appendix B.

5.2 Groundwater Analytical Results

Grab groundwater samples were collected from borings PB-11 and PB-18. Laboratory analysis of both samples did not report any TPHg or BTEX. MTBE and TAME were reported in both samples, with MTBE at concentrations of 5.7 ppb (PB-18) and 21.2 ppb (PB-11), and TAME at concentrations of 1.0 ppb (PB-18) and 3.4 ppb (PB-11). TPHd was reported in sample PB-11 at a concentration of 105 ppm and TPHmo was reported in both samples at concentrations of 79 ppb (PB-18) and 92 ppb (PB-11). The groundwater analytical results are summarized in Table 3, with the laboratory report for the grab groundwater samples included in Appendix C.

6.0 CONTAMINATED SOIL EXCAVATION

Based upon the soil sampling results from the removal of the site's USTs and subsequent subsurface investigations at the site, it was concluded that soil contamination was present at the site that exceeded the 100 ppm clean-up standard and hence required remediation. During the period of November 8 through 11, 2005, SounPacific oversaw Beacom conduct the excavation and removal of contaminated soil. The objective of the soil excavation was to remove the accessible contaminated soil that had TPHg level in excess of 100 ppm based on laboratory results. To monitor contaminant levels and to ensure only contaminated soil was removed, the removed soil and the excavation sidewalls were continuously screened using a PID vapor analyzer as the excavation progressed. Based upon previous experience, it was determined that a PID screening level of 300 ppm would meet the required clean-up standard.

6.1 Soil Excavation

Excavation of contaminated soil commenced on November 8, 2005 in an area of confirmed contamination, and continued until November 11, 2005, when clean-up object had been achieved in all accessible areas. At the completion of the removal activities, an area of approximately 2,625 square feet and to an average depth of ten (10) feet bgs had been

excavated. The extent of the soil excavation is shown in Figure 6. During the excavation process groundwater monitoring well MW-4 was destroyed.

6.2 Soil Sampling and Analysis

6.2.1 Confirmation Sidewall Sampling

On November 11, 2005, seven (7) soil samples were collected from the excavation sidewalls (SW-1@5' through SW-7@5'), along with one (1) soil sample from the floor of the excavation (PB-1@10') (Figure 6). These samples were collected with the purpose of confirming the removal of contamination and documenting the soil contamination levels at the extent of the excavation. These results also assist the SounPacific field scientist to correlate the field screening data with the laboratory results and determine if additional excavation was required. Groundwater was not encountered during the excavation. All soil samples from the soil excavation were collected following standard EPA guidelines. All samples were labeled and immediately placed in a cooler, kept just below 4 degrees Celsius, packed and delivered to Basic Lab, under a chain-of-custody record.

6.2.2 Disposal Profile Sampling

On November 9, 2005, six (6) soil samples (TR-2, 4, 6, 8, 10, and 12) were collected from the excavated stockpiled soil from the UST removal. The purpose of these samples was to assisting and verifying the disposal acceptance criteria for Bio Industries, the disposal facility of the contaminated soil. All soil samples were collected following standard EPA guidelines. All samples were labeled and immediately placed in a cooler, kept just below 4 degrees Celsius, packed and delivered to Basic Lab under a chain-of-custody record.

6.2.3 Soil Analytical Methods

All soil samples were analyzed for TPHg, BTXE, and five-fuel oxygenates using **EPA Method 8260B**, and analyzed for TPHd and TPHmo using **EPA Method 8015m**.

6.3 Soil Analytical Results

A total of fourteen (14) soil samples were collected by SounPacific from the excavation and submitted for laboratory analysis. Additional samples were collected for field screening purposes.

6.3.1 Confirmation Sidewall Sampling Results

Eight (8) soil samples were collected from the excavation in order to document the soil contamination levels at the extent of the excavation. The locations of the samples are shown in Figure 6 All confirmation soil samples reported TPHg levels less than one (1) ppm, except sample SW-6@5' that reported TPHg at a concentration of 1.8 ppm, and hence meet the clean-up criteria. No MTBE was reported in any samples and the occasionally reported BTXE compound were all less than 0.4 ppm, thus confirming that the extent of contamination had been reached and all soil contamination had been removed. The laboratory results for the soil samples collected from the excavation are summarized in Table 2. The laboratory report for the soil samples from the excavation activity is included in Appendix D.

6.3.2 Disposal Profile Sampling Results

The six (6) samples (TR-2, 4, 6, 8, 10, and 12) collected to verify disposal acceptance criteria were collected from areas of known contamination. Laboratory analysis reported TPHg at concentrations ranging from 1,800 ppm (TR-2) to 11,000 ppm (TR-4). BTXE was reported in all samples at concentrations ranging from 736.5 ppm (TR-2) to 2,748 ppm (TR-4). In addition, MTBE was reported in all samples at concentrations ranging from 140 ppm (TR-8)

to 520 ppm (TR-4). The laboratory results are summarized in Table 2, with the laboratory report for the soil samples from the excavation activities activity included in Appendix D.

6.4 Soil Disposal

A total of 335.34 tons (approximately 450 cubic yards) of petroleum-contaminated soil was removed from the Site and disposed of at Bio Industries in Red Bluff, California. The soil disposal receipts are included in Appendix E.

7.0 SITE CONCEPTUAL MODEL

The objective of a site conceptual model is to present sufficient information to: (1) identify the source(s) of the contamination; (2) determine the nature and extent of the contamination; (3) specify potential exposure pathways; and (4) identify potential receptors that may be adversely impacted by the contamination.

Information related to site geology and hydrogeology has been determined from the findings of the site investigations conducted at the site. These investigations have determined that near surface soils consist of gravelly river channel and sandy and silty flood plain deposits, with lesser amounts of alluvial and colluvial deposit. When present, these deposits are characterized by angular rock fragments as distinguished from more rounded river deposits and often interfinger (irregular and wedge shaped contacts) with the river deposits. River deposits commonly form lense shaped bodies and typically consist of varying quantities of interbedded medium and coarse sands, silts, clays and subrounded gravels. Geological cross sections are included as Figures 7 and 8, with the lines of section shown on Figure 5. Groundwater level measurements from the groundwater-monitoring program have determined that groundwater levels range from approximately eight (8) feet to 17 feet bgs with a general groundwater flow direction in a southerly direction.

Prior to the removal of the Site's USTs in October 2004, 40 soil samples had been collected from 16 locations and subjected to laboratory analysis. Of these samples, no significant soil contamination was identified in any of the samples, with TPHg being reported in only four samples, with concentration less than four (4) ppm and BTEX was reported in five samples at concentrations less than 0.5 ppm. Fuel oxygenates were reported in 15 samples, however, the concentrations did not exceed 2.2 ppm. However, when the USTs were removed, elevated levels (>100 ppm) of petroleum hydrocarbons were reported in three (3) of the ten samples collected. The highest concentrations were located on the south side of the UST pit, where TPHg was reported at 900 ppm and 600 ppm. TPHd was also reported in eight of the ten samples, however, only one sample (the same sample that reported TPHg at 900 ppm), exceeding the standard clean-up level of 100 ppm. Since the discovery of elevated levels of petroleum hydrocarbons in the soils during the removal of the USTs, soil sampling has been conducted at 22 further locations to assist in the delineation of the contamination and the identifying of the source. These have included eight locations beneath the UST system piping, six horizontal borings in the walls of the UST excavation pit, and eight vertical borings in areas of interest across the site. From these locations, a total of 35 soil samples were collected and subjected to laboratory analysis. Laboratory analysis of the soil samples from the horizontal borings within the tank excavation pit, indicated that natural attenuation, likely through the open aeration, had addressed any contamination immediately adjacent to the former USTs, however, at a relatively short distance (three feet) from the excavation walls, elevated TPHg was still presence. Of the remaining 23 soil samples, 16 samples were collected at depth of less than four (4) feet bgs. Of these samples, six samples reported TPHg in excess of 100 ppm, and an additional two (2) samples reported total TPH (TPHg+TPHd+TPHmo) in excess of 200 ppm. All these eight (8) samples were from locations either adjacent to the piping traits of directly adjacent to the former USTs. The highest level of the shallow soil contamination was in boring B-14, located between the USTs and the North Dispensers, adjacent to the piping. It is therefore assumed that a primary source of the contamination was the piping and/or dispensers, from where it migrated along the piping trenches and into the UST pit. Additionally, the present of soil contamination, along the trait of the systems vent lines, indicates that a release may have occurred from the

vent piping, during tightness integrity testing when the system was completely filled. This contaminated soil required remedial action. The vertical distribution of the soil contamination is shown in Figures 7 and 8. Elevated TPH contaminations were reported at deeper depths in eight (8) samples from five (5) locations (B-11, B-12, B-13, B-14, and B-16). All these locations are either adjacent to or hydraulically downgradient from the former UST system. Based on the depth to groundwater (as shallow as eight (8) feet bgs), and as groundwater sampling and monitoring has determined that the groundwater at the site is contaminated (see below) the deeper soil contamination (eight feet bgs and greater) may be the result of being impacted by the contaminated groundwater, rather than direct contamination from the UST system. Lead concentrations in the soils are consistent throughout the Site, and hence it is assumed that the levels reported are consistent with background levels and hence are not of concern.

The elevated TPH concentration indicated the need for remedial action, and as a result excavation of the contaminated soil was conducted. Previous site investigations had indicated that the soil contamination was primarily shallow, however, as the excavation of the contaminated soil progressed, field screening indicated that soil contamination was present at deeper depth than originally believed, with the excavation extending to a depth of 10 feet bgs. With the removal of approximately 450 cubic yards of contaminated soil, field screening indicated that all soil in excess of 100 ppm has been removed. The removal of the contaminated soil was confirmed by sampling and laboratory analysis of soil samples from the walls and floor of the excavation.

Groundwater samples collected during the initial site investigation identified the presence of groundwater contamination. Subsequent groundwater monitoring and sampling has confirmed the presence of the groundwater contamination, and determined that groundwater flow is towards the south. Using current monitoring well data it is not possible to determine the full downgradient extent of the groundwater contamination, but based on grab groundwater historical results it is possible that groundwater contamination has migrated offsite, see Figure 89. However, the cross gradient extent of the TPHg plume, appears to have

been defined, with non-detect or near non-detect TPHg levels being reported in wells MW-1, MW-2, and MW-3, during recent monitoring events. However, MTBE at elevated levels has consistently been reported in all wells, indicating a larger MTBE plume. It is believed that no sensitive receptor have been impacted, or are in an immediate downgradient direction.

8.0 SUMMARY AND RECOMMENDATIONS

Soil analytical results from recent and previous investigations confirmed that soil contamination existed directly adjacent to the former UST areas and the associated, dispensers, and product lines. However, with the excavation, and subsequent confirmation soil sampling and analysis, this impacted soil has been removed, and is no longer a concern. Grab groundwater sampling in association with the ongoing groundwater monitoring, has generally defined the cross gradient extent of the TPHg groundwater contamination, although the downgradient extent has yet to be confirmed. Additionally, the MTBE plume appears to have a greater lateral distribution than the TPHg, with its full extent yet to be defined. Based on these findings, SounPacific proposes the following recommends:

- The excavation of the petroleum impacted soils, and the results of the confirmation soil sampling, all soil contamination of concern has been removed. Therefore no further action is proposed associated with the soils at the site.

- Although the source of the identified groundwater contamination has been removed, groundwater contamination is still present. Therefore, the current groundwater monitoring program, which includes tracking hydrocarbon concentrations over time and collecting groundwater data will be continued.

- During the excavation of the contaminated soils, existing well MW-4, which was adjacent to the site of the former USTs, was destroyed. Monitoring well MW-4 had consistently reported elevated concentrations of petroleum hydrocarbons. It is therefore proposed to replace monitoring well MW-4 with a new well. The new

groundwater monitoring well would be incorporated into the existing groundwater monitoring program.

- Result from groundwater well sampling and grab groundwater sampling from borings have identified the highest level of contamination to be in the area south of the former UST at sampling location B-10 (TPHg at 150,000 ppb). It is therefore proposed to install a monitoring well in the vicinity of this boring to assess and monitor the concentrations in this area. This well would be constructed in a manner that it could be utilized in any future groundwater remediation activity. The new groundwater monitoring well would be incorporated into the existing groundwater monitoring program.

- Groundwater monitoring has indicated a southerly trend to the groundwater flow direction that varies between the southeast and the southwest. Therefore, monitoring wells MW-1, MW-2, and MW-3, have all been down gradient of the tanks, lines, and dispensers at some time, and correspondently have all reported elevated concentrations of petroleum hydrocarbons at various times. Monitoring well MW-3, which is southeast of the former UST system, has consistently reported the presence of petroleum, with over 7,000 ppb TPHg being reported in April 2005. With the exception of boring B-11, during the April 2002 investigation (TPHg at 20,700 ppb), no groundwater sampling has been conducted beyond the existing monitoring wells to evaluate the down gradient lateral extent of the groundwater contamination. It is therefore proposed to conduct additional groundwater sampling using geoprobe or similar technology sampling in the down gradient areas beyond monitoring wells MW-1, MW-2, and MW-3. This may include drilling and sampling on the public right-of-way (Glendale Road).

- To date, no sampling has been conducted at the site to determine if any vertical migration of contaminants has occurred. It is therefore proposed that prior to the installation of the proposed monitoring well at the site of boring B-10 (see above), a

pilot hole be drilled that extends up to 30 feet below the water table (estimated at 13 feet bgs), with soil and groundwater samples being conducted at 10 feet interval for laboratory analysis to assess the vertical distribution of any contaminants.

- Upon the completion of the delineation of the groundwater contamination, a groundwater remedial feasibility study would be conducted and a remediation plan would be prepared and implemented.

9.0 CERTIFICATION

This report was prepared under the direct supervision of a California registered geologist at SounPacific. All information provided in this report including statements, conclusions and recommendations are based solely on field observations and analyses performed by a State-certified laboratory. SounPacific is not responsible for laboratory errors or errors presented in data retrieved from previous consultants or other documents that are on file in Public Records, HCDEH files, NCRWQCB files.

SounPacific promises to perform all its work in a manner used by members in similar professions working in the same geographic area. SounPacific will do whatever is reasonable to ensure that data collection is accurate. Please note however, that rain, buried utilities, and other factors can influence groundwater depths, directions and other factors beyond what SounPacific could reasonably determine.

SounPacific

Prepared by:

CLASS I REGISTERED ENVIRONMENTAL ASSESSOR
GREG SOUNHEIN
No. 07994
Expires: 06-30-06
STATE OF CALIFORNIA

Greg Sounhein
Project Manager
CA Registered Environmental Assessor #07994

Reviewed by:

REGISTERED GEOLOGIST
Michael P. Sellens
No. 4714
STATE OF CALIFORNIA

Michael Sellens
CA Registered Geologist # 4714
CA Registered Environmental Assessor #07890

Tables

Table 1
Water Levels
Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample Location	Date	Depth to Bottom/ Feet BTOC	Survey Height/ Feet AMSL	Depth to Water/ Feet BTOC	Adjusted Elevation/ Feet AMSL	Thickness of Floating Product/ Feet
MW-1	5/3/2002	19.08	96.47	12.25	84.22	0.00
	6/10/2002	19.22	96.47	13.91	82.56	0.00
	7/12/2002	19.40	96.47	15.58	80.89	0.00
	8/17/2002	18.99	96.47	16.45	80.02	0.00
	9/11/2002	18.97	96.47	16.71	79.76	0.00
	10/11/2002	18.98	96.47	16.92	79.55	0.00
	11/15/2002	18.99	96.47	16.76	79.71	0.00
	12/16/2002	19.29	96.47	14.94	81.53	0.00
	1/12/2003	18.99	96.47	8.74	87.73	0.00
	2/14/2003	18.99	96.47	10.90	85.57	0.00
	3/17/2003	19.29	96.47	11.17	85.30	0.00
	4/12/2003	18.99	96.47	8.89	87.58	0.00
	7/14/2003	19.17	96.47	15.09	81.38	0.00
	10/21/2003	19.17	96.47	17.02	79.45	0.00
	1/16/2004	19.17	96.47	9.44	87.03	0.00
	4/23/2004	19.17	96.47	12.02	84.45	0.00
	7/31/2004	19.18	96.47	15.15	81.32	0.00
	10/30/2004	18.90	96.47	14.51	81.96	0.00
	1/23/2005	19.19	96.47	10.33	86.14	0.00
	4/30/2005	19.19	96.47	10.94	85.53	0.00
	7/26/2005	19.08	96.47	13.32	83.15	0.00
	10/31/2005	19.19	96.47	13.91	82.56	0.00
MW-2	5/3/2002	19.15	96.45	12.65	83.80	0.00
	6/10/2002	19.02	96.45	14.30	82.15	0.00
	7/12/2002	19.00	96.45	15.95	80.50	0.00
	8/17/2002	18.86	96.45	16.50	79.95	0.00
	9/11/2002	18.90	96.45	16.79	79.66	0.00
	10/11/2002	18.84	96.45	17.01	79.44	0.00
	11/15/2002	18.87	96.45	16.86	79.59	0.00
	12/16/2002	19.14	96.45	15.35	81.10	0.00
	1/12/2003	18.89	96.45	9.16	87.29	0.00
	2/14/2003	18.91	96.45	11.12	85.33	0.00
	3/17/2003	19.14	96.45	11.47	84.98	0.00
	4/12/2003	18.89	96.45	9.24	87.21	0.00
	7/14/2003	19.04	96.45	15.26	81.19	0.00
	10/21/2003	19.04	96.45	17.10	79.35	0.00
	1/16/2004	19.04	96.45	9.78	86.67	0.00
	4/23/2004	19.04	96.45	12.31	84.14	0.00
	7/31/2004	18.99	96.45	15.29	81.16	0.00
	10/30/2004	18.60	96.45	14.71	81.74	0.00
	1/23/2005	18.90	96.45	10.62	85.83	0.00
	4/30/2005	18.70	96.45	11.16	85.29	0.00
	7/26/2005	19.81	96.45	13.44	83.01	0.00
	10/31/2005	18.89	96.45	14.01	82.44	0.00

Table 1 (cont.)
Water Levels
Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample Location	Date	Depth to Bottom/ Feet BTOC	Survey Height/ Feet AMSL	Depth to Water/ Feet BTOC	Adjusted Elevation/ Feet AMSL	Thickness of Floating Product/ Feet
MW-3	5/3/2002	19.22	96.08	12.20	83.88	0.00
	6/10/2002	19.20	96.08	13.70	82.38	0.00
	7/12/2002	19.21	96.08	15.20	80.88	0.00
	8/17/2002	19.04	96.08	16.04	80.04	0.00
	9/11/2002	19.10	96.08	16.28	79.80	0.00
	10/11/2002	19.02	96.08	16.48	79.60	0.00
	11/15/2002	19.20	96.08	16.40	79.68	0.00
	12/16/2002	19.45	96.08	11.59	84.49	0.00
	1/12/2003	19.17	96.08	8.46	87.62	0.00
	2/14/2003	19.17	96.08	10.81	85.27	0.00
	3/17/2003	19.45	96.08	10.98	85.10	0.00
	4/12/2003	19.17	96.08	8.64	87.44	0.00
	7/14/2003	19.37	96.08	14.76	81.32	0.00
	10/21/2003	19.37	96.08	16.61	79.47	0.00
	1/16/2004	19.37	96.08	9.21	86.87	0.00
	4/23/2004	19.37	96.08	11.74	84.34	0.00
	7/31/2004	19.44	96.08	14.72	81.36	0.00
	10/30/2004	19.13	96.08	14.21	81.87	0.00
	1/23/2005	19.43	96.08	10.18	85.90	0.00
	4/30/2005	19.35	96.08	10.70	85.38	0.00
	7/26/2005	19.29	96.08	12.93	83.15	0.00
	10/31/2005	19.35	96.08	13.47	82.61	0.00
MW-4	5/3/2002	19.15	96.27	11.84	84.43	0.00
	6/10/2002	19.13	96.27	13.46	82.81	0.00
	7/12/2002	19.10	96.27	15.08	81.19	0.00
	8/17/2002	19.00	96.27	16.04	80.23	0.00
	9/11/2002	19.00	96.27	16.33	79.94	0.00
	10/11/2002	19.00	96.27	16.50	79.77	0.00
	11/15/2002	19.12	96.27	16.41	79.86	0.00
	12/16/2002	19.30	96.27	13.25	83.02	0.00
	1/12/2003	19.07	96.27	8.21	88.06	0.00
	2/14/2003	19.11	96.27	10.53	85.74	0.00
	3/17/2003	13.25	96.27	10.64	85.63	0.00
	4/12/2003	19.07	96.27	8.37	87.90	0.00
	7/14/2003	19.27	96.27	14.69	81.58	0.00
	10/21/2003	19.27	96.27	16.67	79.60	0.00
	1/16/2004	19.27	96.27	8.95	87.32	0.00
	4/23/2004	19.27	96.27	11.51	84.76	0.00
	7/31/2004	19.36	96.27	14.70	81.57	0.00
	10/30/2004	19.07	96.27	14.15	82.12	0.00
	1/23/2005	19.35	96.27	9.97	86.30	0.00
	4/30/2005	19.28	96.27	10.60	85.67	0.00
	7/26/2005	19.31	96.27	12.94	83.33	0.00
	10/31/2005	19.33	96.27	13.51	82.76	0.00

Notes:
BTOC: Below Top of Casing
AMSL: Mean Sea Level

Table 2
Soil Analytical Results
Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	Lead (ppm)
SB-1 @ 8.5	**SB-1**	1/13/1998	ND < 5	**0.07**	ND < 0.03	ND < 0.03	ND < 0.03	**0.4**	----	----	----	----	ND < 1	----
SB-2 @ 9.5	**SB-2**	1/13/1998	ND < 5	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.3	----	----	----	----	ND < 1	----
SB-3 @ 9.5	**SB-3**	1/13/1998	ND < 20	**0.6**	**0.5**	**0.6**	**0.4**	**17**	----	----	----	----	ND < 1	----
SB-4 @ 2.5	**SB-4**	1/13/1998	ND < 1	**0.065**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	----	----	----	----	ND < 1	----
SB-4 @ 9.5	**SB-4**	1/13/1998	ND < 2	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	**0.2**	----	----	----	----	ND < 1	----
SB-5 @ 2.5	**SB-5**	1/13/1998	ND < 5	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.3	----	----	----	----	**4**	----
SB-6 @ 2.5	**SB-6**	1/13/1998	ND < 5	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.03	ND < 0.3	----	----	----	----	**3**	----
SB-7 @ 2.5	**SB-7**	1/13/1998	ND < 1	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.05	----	----	----	----	ND < 1	----
SB-8 @ 4'	**B-8**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-8 @ 8'	**B-8**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-8 @ 12'	**B-8**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-8 @ 16'	**B-8**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.005**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-9 @ 4'	**B-9**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	**0.12**
SB-9 @ 8'	**B-9**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-9 @ 12'	**B-9**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-9 @ 16'	**B-9**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-10 @ 4'	**B-10**	4/25/2002	ND < 1	**0.014**	ND < 0.002	ND < 0.006	**0.003**	**0.528**	ND < 0.005	**0.064**	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-10 @ 8'	**B-10**	4/25/2002	**2**	**0.011**	ND < 0.002	ND < 0.006	**0.018**	**1.58**	ND < 0.005	**0.216**	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-10 @ 12'	**B-10**	4/25/2002	**4**	**0.11**	**0.021**	**0.156**	**0.055**	**2.11**	ND < 0.005	**0.292**	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-10 @ 16'	**B-10**	4/25/2002	**4**	**0.086**	**0.314**	**0.204**	**0.058**	**1.1**	ND < 0.005	**0.156**	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-11 @ 4'	**B-11**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-11 @ 8'	**B-11**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-11 @ 12'	**B-11**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-11 @ 16'	**B-11**	4/24/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-12 @ 4'	**B-12**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.006**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-12 @ 8'	**B-12**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.074**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-12 @ 12'	**B-12**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.148**	ND < 0.005	**0.017**	ND < 0.005	ND < 0.02	----	ND < 0.10
SB-12 @ 16'	**B-12**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.051**	ND < 0.005	**0.005**	ND < 0.005	ND < 0.02	----	ND < 0.10
MWSB-1 @ 4'	**MW-1**	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.141**	ND < 0.005	**0.009**	ND < 0.005	ND < 0.02	----	ND < 0.10
MWSB-1 @ 8'	**MW-1**	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.16**	ND < 0.005	**0.013**	ND < 0.005	ND < 0.02	----	ND < 0.10
MWSB-1 @ 12'	**MW-1**	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.744**	ND < 0.005	**0.114**	ND < 0.005	ND < 0.02	----	ND < 0.10

Table 2 (cont.)
Soil Analytical Results
Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	TPHmo (ppm)	Lead (ppm)
MWSB-2 @ 4'	**MW-2**	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-2 @ 8'	**MW-2**	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.006**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-2 @ 12'	**MW-2**	4/26/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	**0.034**	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-3 @ 4'	**MW-3**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-3 @ 8'	**MW-3**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-3 @ 12'	**MW-3**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-4 @ 4'	**MW-4**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-4 @ 8'	**MW-4**	4/25/2002	ND < 1	ND < 0.002	ND < 0.002	ND < 0.006	ND < 0.002	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.02	----	----	ND < 0.10
MWSB-4 @ 12'	**MW-4**	4/25/2002	**2**	**0.104**	**0.07**	**0.454**	**0.037**	**0.618**	ND < 0.005	**0.055**	ND < 0.005	**0.436**	----	----	ND < 0.10
UST PIT @ 11'	**1N**	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	**0.055**	ND < 0.005	**0.014**	ND < 0.005	ND < 0.050	ND < 1.0	----	----
UST PIT @ 11'	**1S**	10/27/2004	ND < 1.0	**0.011**	ND < 0.005	ND < 0.015	ND < 0.005	**0.091**	ND < 0.005	**0.017**	ND < 0.005	ND < 0.050	**4.3**	----	----
UST PIT @ 11'	**2N**	10/27/2004	ND < 1.3	**0.054**	**0.093**	**0.176**	**0.043**	**0.50**	ND < 0.013	**0.17**	ND < 0.013	ND < 0.13	**3.5**	----	----
UST PIT @ 11'	**2S**	10/27/2004	**900**	ND < 1.0	ND < 1.0	**21**	**9.3**	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 10	**120***	----	----
UST PIT @ 11'	**3N**	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	**0.043**	ND < 0.005	**0.016**	ND < 0.005	ND < 0.050	**3.3**	----	----
UST PIT @ 11'	**3S**	10/27/2004	**18**	**0.035**	ND < 0.025	**0.23**	**0.095**	**0.24**	ND < 0.025	**0.079**	ND < 0.025	ND < 0.25	**3.9**	----	----
UST PIT @ 11'	**4N**	10/27/2004	**320**	**2.5**	**18**	**37**	**7.2**	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	**14***	----	----
UST PIT @ 11'	**4S**	10/27/2004	**600**	ND < 0.50	**3.2**	**53**	**11**	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	**13***	----	----
UST PIT @ 6'	**SW-W**	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	ND < 0.015	ND < 0.005	**0.046**	ND < 0.005	**0.011**	ND < 0.005	ND < 0.050	ND < 1.0	----	----
UST PIT @ 6'	**SW-S**	10/27/2004	ND < 1.0	ND < 0.005	ND < 0.005	**0.024**	**0.006**	**0.072**	ND < 0.005	**0.017**	ND < 0.005	ND < 0.050	**1.8**	----	----
B-19 @ 1'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-19 @ 3'	**UST PIT**	9/28/2005	**130**	**0.015**	**1.9**	**15.7**	**2.5**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**33**	**13**	----
B-20 @ 1'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	ND < 0.0050	**0.0177**	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-20 @ 3'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	ND < 0.0050	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-21 @ 1'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	**0.022**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-21 @ 3'	**UST PIT**	9/28/2005	**500**	**0.036**	**5.1**	**45**	**6.7**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**160**	**24**	----
B-22 @ 1'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	**0.0074**	**0.0164**	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-22 @ 3'	**UST PIT**	9/28/2005	**300**	**0.060**	**3.5**	**27.3**	**4.0**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**33**	**10**	----
B-23 @ 1'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	ND < 0.010	**0.0221**	**0.0060**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-23 @ 3'	**UST PIT**	9/28/2005	ND < 1.0	ND < 0.0050	ND < 0.0050	**0.0153**	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
B-24 @ 1'	**UST PIT**	9/28/2005	**810**	ND < 0.0050	**0.019**	**2.98**	**0.43**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**22**	**29**	----
B-24 @ 3'	**UST PIT**	9/28/2005	**57**	**0.053**	**1.7**	**4.9**	**0.81**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**72**	**15**	----
PB-17 @ 4'	**B-17**	10/11/2005	**0.0655**	ND < 0.0050	ND < 0.0050	**0.0051**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-17 @ 8'	**B-17**	10/11/2005	**0.213**	ND < 0.0050	**0.0075**	**0.0242**	**0.0055**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-17 @ 11'	**B-17**	10/11/2005	**0.387**	ND < 0.0050	**0.0103**	**0.0144**	ND < 0.0050	**0.114**	ND < 0.0050	**0.0211**	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-18 @ 4'	**B-18**	10/11/2005	**0.119**	ND < 0.0050	**0.0115**	**0.0090**	ND < 0.0050	**0.0159**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-18 @ 8'	**B-18**	10/11/2005	ND < 0.0600	ND < 0.0050	ND < 0.0050	**0.0063**	ND < 0.0050	**0.0074**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-18 @ 11'	**B-18**	10/11/2005	**508**	**1.94**	**51.6**	**85.8**	**14.2**	**7.57**	ND < 1.25	**1.61**	ND < 1.25	ND < 12.5	ND < 10	ND < 10	----
PB-18 @ 15'	**B-18**	10/11/2005	**0.272**	ND < 0.0050	**0.0122**	**0.0146**	ND < 0.0050	**0.0383**	ND < 0.0050	**0.0061**	ND < 0.0050	**0.0539**	ND < 10	ND < 10	----

* : The sample chromatograph does not match the standard diesel chromatogram. All peaks were integrated within the diesel range. The result is an estimated value.

Table 2 (cont.)
Soil Analytical Results
Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	DIPE (ppm)	TAME (ppm)	ETBE (ppm)	TBA (ppm)	TPHd (ppm)	TPHmo (ppm)	Total Lead (ppm)
PR-1	**Product Lines @ 1.5'**	10/5/2005	**350**	**0.59**	**14**	**27.6**	**4.4**	**9.3**	ND < 0.020	ND < 0.020	**1.7**	ND < 0.50	**20**	**120**	----
PR-2	**Product Lines @ 2'**	10/5/2005	**17**	**0.019**	**0.038**	**0.284**	**0.060**	**0.089**	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**51**	**550**	**18**
PR-3	**Product Lines @ 1.5'**	10/5/2005	**230**	**0.79**	**15**	**23.4**	**3.8**	**39**	ND < 1.0	**4.7**	ND < 1.0	ND < 25	**110**	**230**	----
PR-4	**Product Lines @ 1.5'**	10/5/2005	**120**	**0.75**	**11**	**8.1**	**0.84**	**43**	ND < 0.020	**4.3**	ND < 0.020	**2.4**	**33**	**230**	----
PR-5	**Product Lines @ 2'**	10/5/2005	**89**	**0.057**	**0.16**	**6.6**	**1.7**	**0.47**	ND < 0.020	**0.16**	ND < 0.020	ND < 0.50	**26**	**61**	----
PR-6	**Product Lines @ 2'**	10/5/2005	**620**	**1.5**	**41**	**79**	**12**	**59**	ND < 1.0	**9.0**	ND < 1.0	ND < 25	**180**	**20**	**15**
PR-7	**Product Lines @ 1.5'**	10/5/2005	**88**	**1.1**	**15**	**7.1**	**1.5**	**32**	ND < 0.020	**3.3**	ND < 0.020	**1.6**	**26**	**390**	----
PR-8	**Product Lines @ 1.5'**	10/5/2005	ND < 1.0	ND < 0.0050	**0.027**	**0.0277**	**0.0060**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**2.8**	**45**	----
PB-11 @ 4'	**B-11**	10/11/2005	ND < 0.0600	ND < 0.0050	ND < 0.0050	**0.0057**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-11 @ 8'	**B-11**	10/11/2005	**3,890**	**22.1**	**400**	**506**	**88.1**	**105**	ND < 12.5	**16.6**	ND < 12.5	ND < 125	ND < 10	**37**	----
PB-11 @ 12'	**B-11**	10/11/2005	**0.298**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.293**	ND < 0.0050	**0.0416**	ND < 0.0050	**0.0672**	ND < 10	ND < 10	----
PB-12 @ 4'	**B-12**	10/11/2005	**0.0733**	ND < 0.0050	**0.0071**	**0.0085**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-12 @ 8'	**B-12**	10/11/2005	**4,430**	**25.9**	**462**	**564**	**98.3**	**122**	ND < 12.5	**19.6**	ND < 12.5	ND < 125	ND < 10	ND < 10	----
PB-12 @ 12'	**B-12**	10/11/2005	**3,290**	**17.7**	**325**	**413**	**71.9**	**84.3**	ND < 12.5	**13.5**	ND < 12.5	ND < 125	ND < 10	ND < 10	----
PB-13 @ 4'	**B-13**	10/11/2005	**0.163**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-13 @ 8'	**B-13**	10/11/2005	**2,490**	**14.3**	**259**	**320**	**56.2**	**67.4**	ND < 10.0	**11.1**	ND < 10.0	ND < 100	ND < 10	ND < 10	----
PB-13 @ 11'	**B-13**	10/11/2005	**4,490**	**25.6**	**449**	**559**	**97.5**	**123**	ND < 12.5	**19.2**	ND < 12.5	ND < 125	ND < 10	ND < 10	----
PB-14 @ 4'	**B-14**	10/11/2005	**4,740**	**26.9**	**482**	**610**	**106**	**128**	ND < 12.5	**20.3**	ND < 12.5	ND < 125	ND < 10	ND < 10	----
PB-14 @ 8'	**B-14**	10/11/2005	**4,070**	**24.1**	**433**	**536**	**93.2**	**114**	ND < 12.5	**17.9**	ND < 12.5	ND < 125	ND < 10	ND < 10	----
PB-14 @ 12'	**B-14**	10/11/2005	**2,890**	**17.7**	**321**	**390**	**68.5**	**81.8**	ND < 6.25	**13.8**	ND < 6.25	ND < 62.5	ND < 10	ND < 10	----
PB-15 @ 4'	**B-15**	10/11/2005	**0.229**	ND < 0.0050	**0.0078**	**0.0118**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-15 @ 8'	**B-15**	10/11/2005	**1,210**	**7.49**	**133**	**163**	**28.6**	**39.2**	ND < 5.00	**5.97**	ND < 5.00	ND < 50.0	ND < 10	ND < 10	----
PB-15 @ 11'	**B-15**	10/11/2005	**0.0905**	ND < 0.0050	ND < 0.0050	**0.0075**	ND < 0.0050	**0.0171**	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.0526**	ND < 10	ND < 10	----
PB-16 @ 4'	**B-16**	10/11/2005	**3,960**	**23.2**	**416**	**527**	**92.4**	**116**	ND < 12.5	**18.7**	ND < 12.5	ND < 125	ND < 10	ND < 10	----
PB-16 @ 8'	**B-16**	10/11/2005	**2,530**	**14.6**	**260**	**326**	**56.5**	**70.1**	ND < 10.0	**11.3**	ND < 10.0	ND < 100	ND < 10	ND < 10	----
PB-16 @ 12'	**B-16**	10/11/2005	**0.260**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	**0.0678**	ND < 0.0050	**0.0119**	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-17 @ 4'	**B-17**	10/11/2005	**0.0655**	ND < 0.0050	ND < 0.0050	**0.0051**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-17 @ 8'	**B-17**	10/11/2005	**0.213**	ND < 0.0050	**0.0075**	**0.0242**	**0.0055**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-17 @ 11'	**B-17**	10/11/2005	**0.387**	ND < 0.0050	**0.0103**	**0.0144**	ND < 0.0050	**0.114**	ND < 0.0050	**0.0211**	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-18 @ 4'	**B-18**	10/11/2005	**0.119**	ND < 0.0050	**0.0115**	**0.0090**	ND < 0.0050	**0.0159**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-18 @ 8'	**B-18**	10/11/2005	ND<0.060	ND < 0.0050	ND < 0.0050	**0.0063**	ND < 0.0050	**0.0074**	ND < 0.0050	ND < 0.0050	ND < 0.0050	ND < 0.0500	ND < 10	ND < 10	----
PB-18 @ 11'	**B-18**	10/11/2005	**508**	**1.94**	**51.6**	**85.8**	**14.2**	**7.57**	ND < 1.25	**1.61**	ND < 1.25	ND < 12.5	ND < 10	ND < 10	----
PB-18 @ 15'	**B-18**	10/11/2005	**0.272**	ND < 0.0050	**0.0122**	**0.0146**	ND < 0.0050	**0.0383**	ND < 0.0050	**0.0061**	ND < 0.0050	**0.0539**	ND < 10	ND < 10	----
TR-2	**Soil Stockpile**	11/9/2005	**1,800**	**5.5**	**140**	**176**	**25**	**390**	----	----	----	----	----	----	----
TR-4	**Soil Stockpile**	11/9/2005	**11,000**	**28**	**840**	**1,140**	**220**	**520**	----	----	----	----	----	----	----
TR-6	**Soil Stockpile**	11/9/2005	**7,700**	**21**	**560**	**780**	**140**	**250**	----	----	----	----	----	----	----
TR-8	**Soil Stockpile**	11/9/2005	**4,900**	**7.1**	**250**	**470**	**77**	**140**	----	----	----	----	----	----	----
TR-10	**Soil Stockpile**	11/9/2005	**8,700**	**23**	**640**	**890**	**160**	**380**	----	----	----	----	----	----	----
TR-12	**Soil Stockpile**	11/9/2005	**8,200**	**19**	**540**	**810**	**140**	**280**	----	----	----	----	----	----	----
SW-1 @ 5'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	**0.26**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
SW-2 @ 5'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	ND < 0.013	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
SW-3 @ 5'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	**0.32**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
SW-4 @ 5'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	**0.33**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
SW-5 @ 5'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	**0.072**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**1.7**	**13**	----
SW-6 @ 5'	**Excavation**	11/11/2005	**1.8**	ND < 0.0050	**0.39**	ND < 0.0150	**0.0052**	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	**1.3**	**14**	----
SW-7 @ 5'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	**0.37**	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----
PB-1 @ 10'	**Excavation**	11/11/2005	ND < 1.0	ND < 0.0050	ND < 0.013	ND < 0.0150	ND < 0.0050	ND < 0.025	ND < 0.020	ND < 0.020	ND < 0.020	ND < 0.50	ND < 1.0	ND < 10	----

Notes:
TPHg: Total petroleum hydrocarbons as gasoline.
MTBE: Methyl tertiary butyl ether
DIPE: Diisopropyl ether
TAME: Tertiary amyl methyl ether
ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
TPHd: Total petroleum hydrocarbons as diesel.
TPHmo: Total petroleum hydrocarbons as motor oil.
ppm: parts per million = µg/g = mg/kg = 1000 µg/kg
ND: Not detected. Sample was not detected at or above the method detection limit as shown.

Table 3

Groundwater Analytical Results from Boreholes

Glendale 76

1497 Glendale Road

Arcata, California 95521

Sample ID	Sample Location	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
SB-1-GW	**SB-1**	1/13/1998	**210**	**27**	**8.3**	**6**	**1.3**	**100**	----	----	----	----	**50**	----
SB-2-GW	**SB-2**	1/13/1998	**290**	**1.4**	ND < 0.5	ND < 0.5	ND < 0.5	**590**	----	----	----	----	**100**	----
SB-3-GW	**SB-3**	1/13/1998	**79,000**	**1,400**	**4,300**	**21,000**	**4,600**	**20,000**	----	----	----	----	ND < 200	----
SB-4-GW	**SB-4**	1/13/1998	**1,400**	**11**	**20**	**40**	**8**	**2,000**	----	----	----	----	ND < 50	----
SBGW-8 @ 16'	**B-8**	4/25/2002	ND < 50	ND < 0.3	ND < 0.3	ND < 0.6	ND < 0.3	**42.9**	ND < 0.5	**8.6**	ND < 0.5	ND < 100	----	----
SBGW-9 @ 16'	**B-9**	4/24/2002	**152**	**1.9**	ND < 0.3	ND < 0.6	ND < 0.3	**50**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 50	----	----
SBGW-10 @ 16'	**B-10**	4/25/2002	**150,000**	**13,700**	**43,400**	**10,600**	**2,100**	**198,000**	ND < 50	**33,300**	ND < 50	ND < 1,000	----	----
SBGW-11 @ 16'	**B-11**	4/24/2002	**20,700**	**2,090**	**7.4**	**171**	**9.9**	**29,000**	ND < 0.5	**6,710**	ND < 0.5	ND < 50	----	----
SBGW-12 @ 16'	**B-12**	4/25/2002	**978**	**10.1**	**0.4**	**1.8**	ND < 0.3	**1,470**	ND < 0.5	**169**	ND < 0.5	ND < 100	----	----
PB-11 @ 14.6'	**B-11**	10/11/2005	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**21.2**	ND < 0.5	**3.4**	ND < 0.5	ND < 50.0	**105**	**92**
PB-18 @ 14.8'	**B-18**	10/11/2005	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**5.7**	ND < 0.5	**1.0**	ND < 0.5	ND < 50.0	ND < 59	**79**

Notes:

TPHg: Total petroleum hydrocarbons as gasoline.

MTBE: Methyl tertiary butyl ether

DIPE: Diisopropyl ether

TAME: Tertiary amyl methyl ether

ETBE: Ethyl tertiary butyl ether

TPHmo: Total petroleum hydrocarbons as motor oil.

TBA: Tertiary butanol

TPHd: Total petroleum hydrocarbons as diesel.

ppb: parts per billion = µg/l = .001 mg/l = 0.001 ppm.

ND: Not detected. Sample was detected below the method detection limit as shown.

Table 4
Groundwater Analytical Results from Monitoring Wells

Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample Location	Sample Event	Annual Quarter	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
MW-1	Well Installation	Second Quarter	5/3/2002	**8,605**	**2.9**	ND < 0.3	ND < 0.6	ND < 0.3	**3,270**	ND < 0.5	**559**	ND < 0.5	ND < 100	NT	NT
	First Quarterly	Third Quarter	7/12/2002	**345**	**0.9**	ND < 0.3	ND < 0.6	ND < 0.3	**257**	ND < 0.5	**53.4**	ND < 0.5	ND < 100	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	ND < 1,000	ND < 6.0	ND < 6.0	ND < 12.0	ND < 6.0	**200**	ND < 10	**38.6**	ND < 10	ND < 2,000	ND < 50	ND < 50
	Third Quarterly	First Quarter	1/12/2003	**5,900**	**18**	**0.7**	**92**	**1.0**	**1,100**	ND < 0.5	**160**	ND < 0.5	**120**	**240**	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	**420**	**8.7**	ND < 0.5	**10**	**0.9**	**1,000**	ND < 0.5	**130**	ND < 0.5	**130**	ND < 50	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**79**	ND < 0.5	**15**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**20**	ND < 0.5	**4.0**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	**190**	**3.6**	ND < 0.5	**12**	**1.4**	**450**	ND < 0.5	**71**	ND < 0.5	**21**	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**31**	ND < 0.5	**7.6**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**19**	ND < 0.5	**3.9**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Tenth Quarterly	Fourth Quarter	10/30/2004	ND < 50	ND < 0.5	**1.1**	ND < 1.0	ND < 0.5	**18**	ND < 0.5	**4.3**	ND < 0.5	ND < 5.0	**92**	ND < 500
	Eleventh Quarterly	first Quarter	1/23/2005	**359**	**2.7**	ND < 2.5	ND < 5.0	ND < 2.5	**315**	ND < 2.5	**55.6**	ND < 25.0	ND < 250	**110**	**58**
	Twelfth Quarterly	Second Quarter	4/30/2005	**389**	ND < 2.0	ND < 2.0	ND < 4.0	ND < 2.0	**277**	-----	-----	-----	-----	**68**	**77**
	Thirteenth Quarterly	Third Quarter	7/26/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**37.9**	-----	-----	-----	-----	ND < 50	**146**
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**19.2**	-----	-----	-----	-----	ND < 50	**121**
MW-2	Well Installation	Second Quarter	5/3/2002	**1,860**	**28.8**	**0.9**	**1.4**	**0.6**	**1,060**	ND < 0.5	**204**	ND < 0.5	ND < 100	NT	NT
	First Quarterly	Third Quarter	7/12/2002	**684**	**10.5**	ND < 0.3	**3.8**	ND < 0.3	**422**	ND < 0.5	**100**	ND < 0.5	ND < 100	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	ND < 1,000	ND < 6.0	ND < 6.0	ND < 12.0	ND < 6.0	**144**	ND < 10	**27.0**	ND < 10	ND < 2,000	ND < 50	ND < 50
	Third Quarterly	First Quarter	1/12/2003	**490**	**35**	ND < 0.5	**10.7**	ND < 0.5	**640**	ND < 0.5	**110**	ND < 0.5	**79**	**60**	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	**180**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**240**	ND < 0.5	**49**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	**170**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	**310**	ND < 0.5	**59**	ND < 0.5	**59**	ND < 50	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	ND < 50	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**16**	ND < 0.5	**3.0**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	**120**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	**160**	ND < 0.5	**30**	ND < 0.5	**18**	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	ND < 500	ND < 5.0	ND < 5.0	ND < 10.0	ND < 5.0	**180**	ND < 5.0	**40**	ND < 5.0	ND < 50	ND < 50	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	**73**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**86**	ND < 0.5	**19**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Tenth Quarterly	Fourth Quarter	10/30/2004	**71**	ND < 0.5	**0.7**	ND < 1.0	ND < 0.5	**50**	ND < 0.5	**10**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Eleventh Quarterly	First Quarter	1/23/2005	**122**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**102**	ND < 0.5	**24.2**	ND < 5.0	ND < 50.0	ND < 50	**81**
	Twelfth Quarterly	Second Quarter	4/30/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**54.7**	----	----	----	----	ND < 50	**100**
	Thirteenth Quarterly	Third Quarter	7/26/2005	**78.7**	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**68.5**	----	----	----	----	**58**	**168**
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	ND < 60	ND < 0.5	ND < 0.5	ND < 1.0	ND < 0.5	**32.2**	----	----	----	----	ND < 50	**115**

Table 4
Groundwater Analytical Results from Monitoring Wells

Glendale 76
1497 Glendale Road
Arcata, California 95521

Sample Location	Sample Event	Annual Quarter	Sample Date	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Xylenes (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	DIPE (ppb)	TAME (ppb)	ETBE (ppb)	TBA (ppb)	TPHd (ppb)	TPHmo (ppb)
MW-3	Well Installation	Second Quarter	5/3/2002	**8,900**	**387**	**378**	**743**	**352**	**1,080**	ND < 0.5	**37.2**	ND < 0.5	ND < 100	NT	NT
	First Quarterly	Third Quarter	7/12/2002	**5,720**	**376**	**94.3**	**258**	**230**	**1,240**	ND < 5.0	**285**	ND < 5.0	ND < 1,000	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	ND < 5,000	**318**	ND < 30.0	ND < 60.0	ND < 30.0	**1,270**	ND < 100	**369**	ND < 100	ND < 10,000	**381**	ND < 50
	Third Quarterly	First Quarter	1/12/2003	**1,100**	**19**	**62**	**48**	**18**	**38**	ND < 0.5	**8.8**	ND < 0.5	ND < 5.0	**110**	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	**300**	**21**	**45**	**30.4**	**14**	**34**	ND < 0.5	**9.2**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	**2,000**	**170**	**11**	**44**	**58**	**330**	ND < 5.0	**97**	ND < 5.0	ND < 50	**210**	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	**690**	**42**	ND < 5.0	ND < 10.0	ND < 5.0	**230**	ND < 5.0	**58**	ND < 5.0	ND < 50	**74**	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	**150**	**5.2**	**12**	**9.2**	**5.9**	**6.6**	ND < 0.5	**2.1**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	ND < 50	**0.5**	ND < 0.5	**0.7**	**0.7**	**1.5**	ND < 0.5	ND < 0.5	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	**700**	**7.6**	ND < 0.5	ND < 1.0	**2.4**	**110**	ND < 0.5	**35**	ND < 0.5	**42**	**110**	ND < 500
	Tenth Quarterly	Fourth Quarter	1/27/2005	**1,000**	**14**	**9.8**	**14**	**8.8**	**23**	ND < 0.5	**6.9**	ND < 0.5	ND < 5.0	**130**	ND < 500
	Eleventh Quarterly	First Quarter	1/23/2005	**498**	**102**	**7.2**	**68.9**	**3.4**	**90.6**	ND < 0.5	**19.5**	ND < 5.0	ND < 50.0	ND < 50	ND < 50
	Twelfth Quarterly	Second Quarter	4/30/2005	**7,030**	**14.6**	**635**	**1,890**	**306**	**21.0**	----	----	----	----	ND < 50	**52**
	Thirteenth Quarterly	Third Quarter	7/26/2005	**88.9**	**12.4**	ND < 0.5	ND < 1.0	ND < 0.5	**33.6**	----	----	----	----	ND < 50	**60**
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	**247**	**1.3**	ND < 0.5	ND < 1.0	ND < 0.5	**52.0**	----	----	----	----	ND < 50	**73**
MW-4	Well Installation	Second Quarter	5/3/2002	**3,150**	**138**	**40**	**124**	**49.5**	**1,050**	ND < 0.5	**131**	ND < 0.5	NT	NT	NT
	First Quarterly	Third Quarter	7/12/2002	**2,850**	**256**	**17.5**	**181**	**167**	**1,820**	ND < 0.5	**241**	ND < 0.5	ND < 100	NT	NT
	Second Quarterly	Fourth Quarter	10/11/2002	**1,520**	**117**	ND < 0.3	**111**	**66.7**	**732**	ND < 5.0	**115**	ND < 5.0	ND < 1,000	ND < 50	ND < 50
	Third Quarterly	First Quarter	1/12/2003	**16,000**	**220**	**170**	**1,900**	**340**	**1,500**	ND < 50	**160**	ND < 50	ND < 500	**3,000**	ND < 500
	Fourth Quarterly	Second Quarter	4/12/2003	ND < 1,000	**210**	**180**	**1,320**	**430**	**1,100**	ND < 50	**130**	ND < 50	ND < 500	**3,800**	ND < 500
	Fifth Quarterly	Third Quarter	7/14/2003	**770**	**33**	ND < 5.0	**17**	**20**	**180**	ND < 5.0	**29**	ND < 5.0	ND < 50	**63**	ND < 500
	Sixth Quarterly	Fourth Quarter	10/21/2003	**970**	**80**	ND < 5.0	**7.8**	**21**	**540**	ND < 5.0	**85**	ND < 5.0	ND < 50	**260**	ND < 500
	Seventh Quarterly	First Quarter	1/16/2004	**4,200**	**90**	**29**	**710**	**220**	**550**	ND < 5.0	**73**	ND < 5.0	**420**	ND < 50	ND < 500
	Eighth Quarterly	Second Quarter	4/23/2004	**1,300**	**26**	ND < 5.0	**79**	**34**	**170**	ND < 5.0	**27**	ND < 5.0	**170**	**150**	ND < 500
	Ninth Quarterly	Third Quarter	7/31/2004	**78**	**2.9**	ND < 0.5	ND < 1	**1.1**	**12**	ND < 0.5	**1.9**	ND < 0.5	ND < 5.0	ND < 50	ND < 500
	Tenth Quarterly	Fourth Quarter	10/30/2004	**8,800**	**230**	**32**	**1,600**	**650**	**940**	ND < 5.0	**200**	ND < 5.0	**640**	**1,500**	ND < 500
	Eleventh Quarterly	First Quarter	1/23/2005	**872**	**24.2**	**2.3**	**109**	**57.0**	**312.0**	ND < 1.2	**30.6**	ND < 12.5	**198**	**585**	**52**
	Twelfth Quarterly	Second Quarter	4/30/2005	**1,280**	**17.8**	**20.0**	**92.4**	**49.3**	**133**	ND < 1.0	**14.5**	ND < 1.0	**131**	**401**	**92**
	Thirteenth Quarterly	Third Quarter	7/26/2005	**391**	**4.4**	ND < 0.5	**5.2**	**3.1**	**49.6**	ND < 0.5	**6.1**	ND < 0.5	ND < 50	**347**	**71**
	Fourteenth Quarterly	Fourth Quarter	10/31/2005	**96.9**	**1.0**	ND < 0.5	ND < 1.0	ND < 0.5	**25.2**	ND < 0.5	**3.2**	ND < 0.5	ND < 50	**56**	**80**

Notes:
TPHg: Total petroleum hydrocarbons as gasoline
MTBE: Methyl tertiary butyl ether
DIPE: Diisopropyl Ether
TAME: Tertiary amyl methyl ether
ETBE: Ethyl tertiary butyl ether
TBA: Tertiary butanol
TPHd: Total petroleum hydrocarbons as diesel
TPHmo: Total petroleum hydrocarbons as motor oil
ppb: parts per billion = µg/l = .001 mg/l = 0.001 ppm
ND: Not detected. Sample was detected at or below the method detection limit as shown.

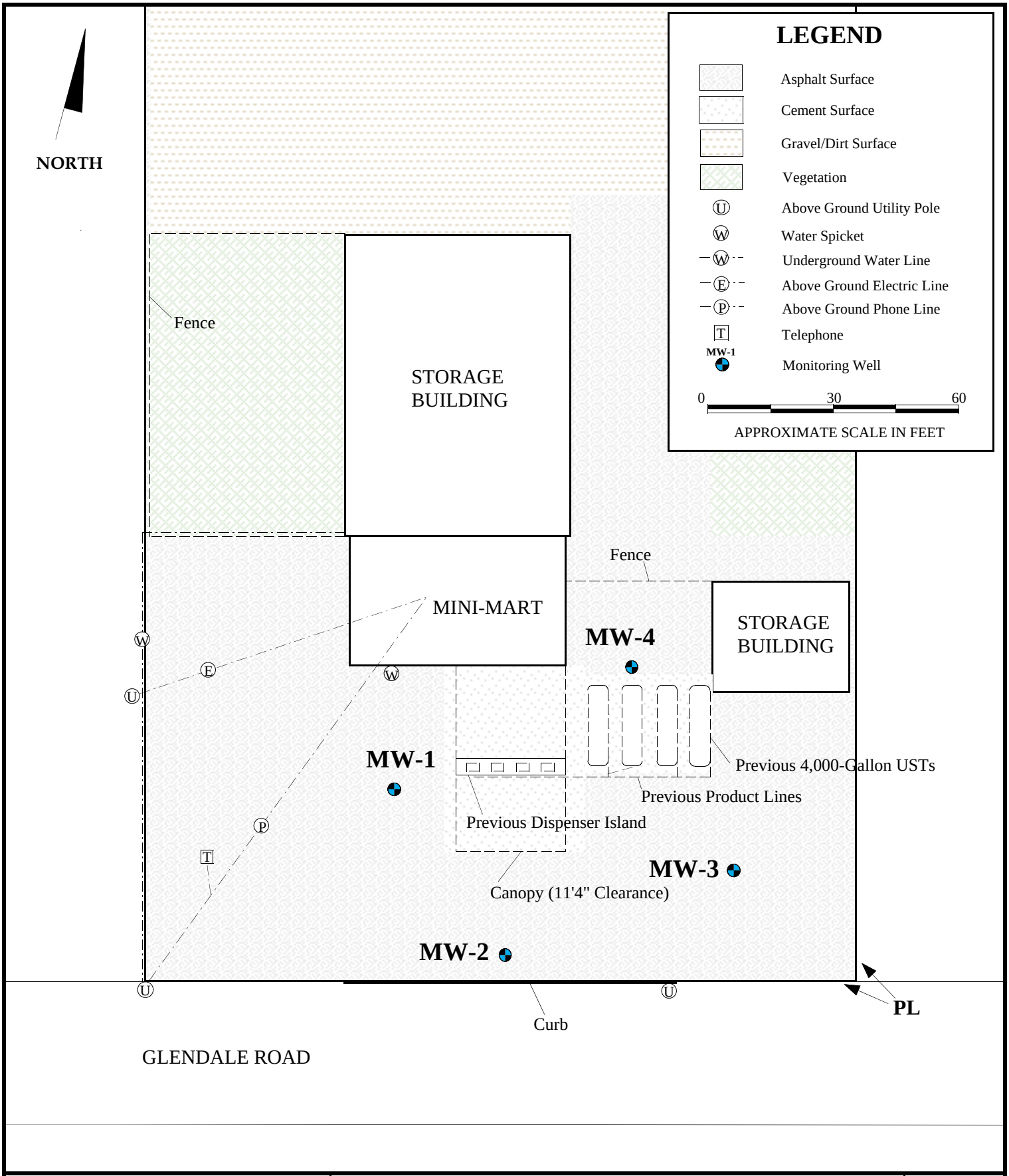
Figures

SunPacific Environmental Services
(707) 269-0884

AERIAL/TOPO MAP

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.	Report Date	Figure
SP-150	1/20/06	1

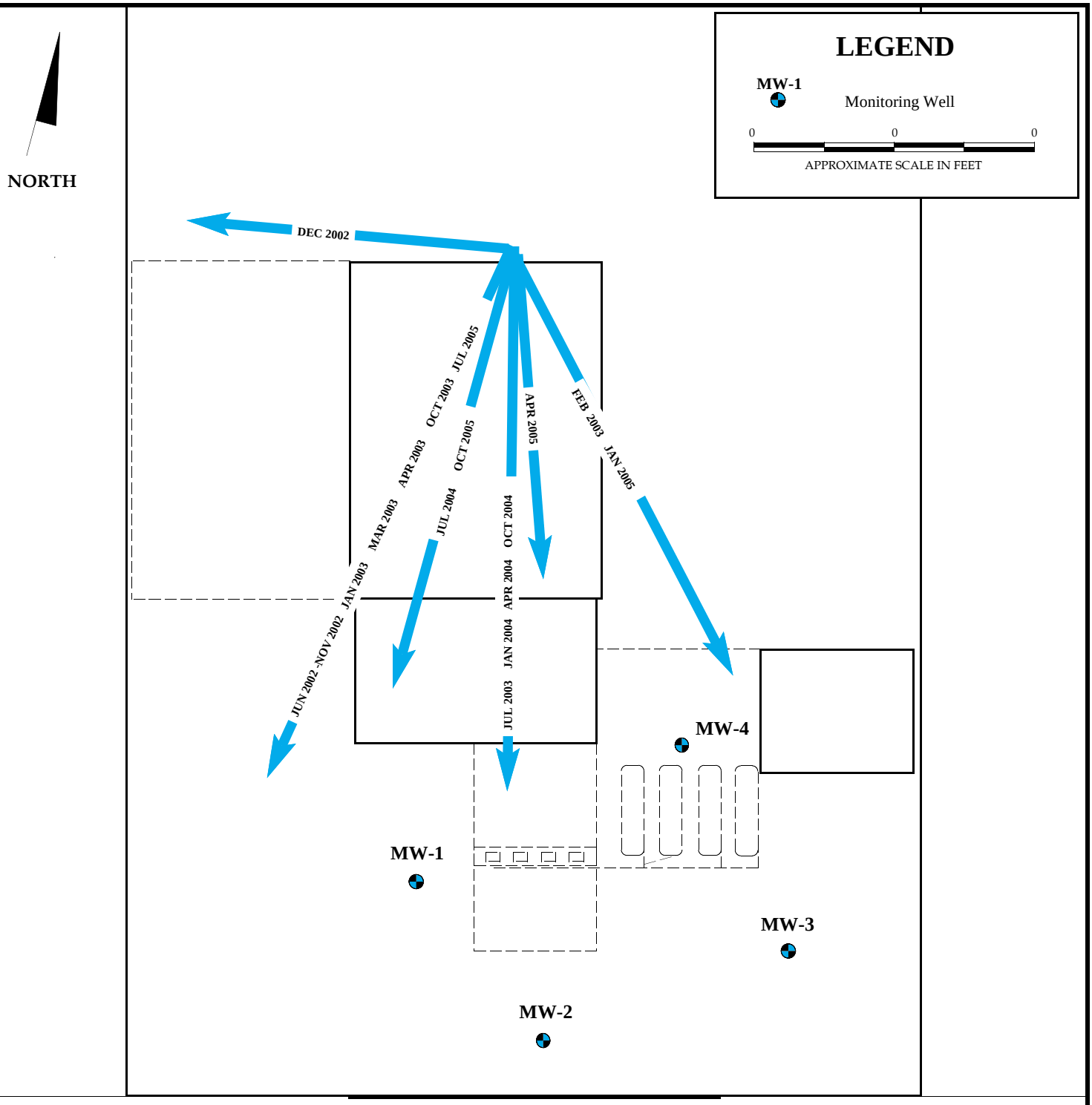


SITE PLAN

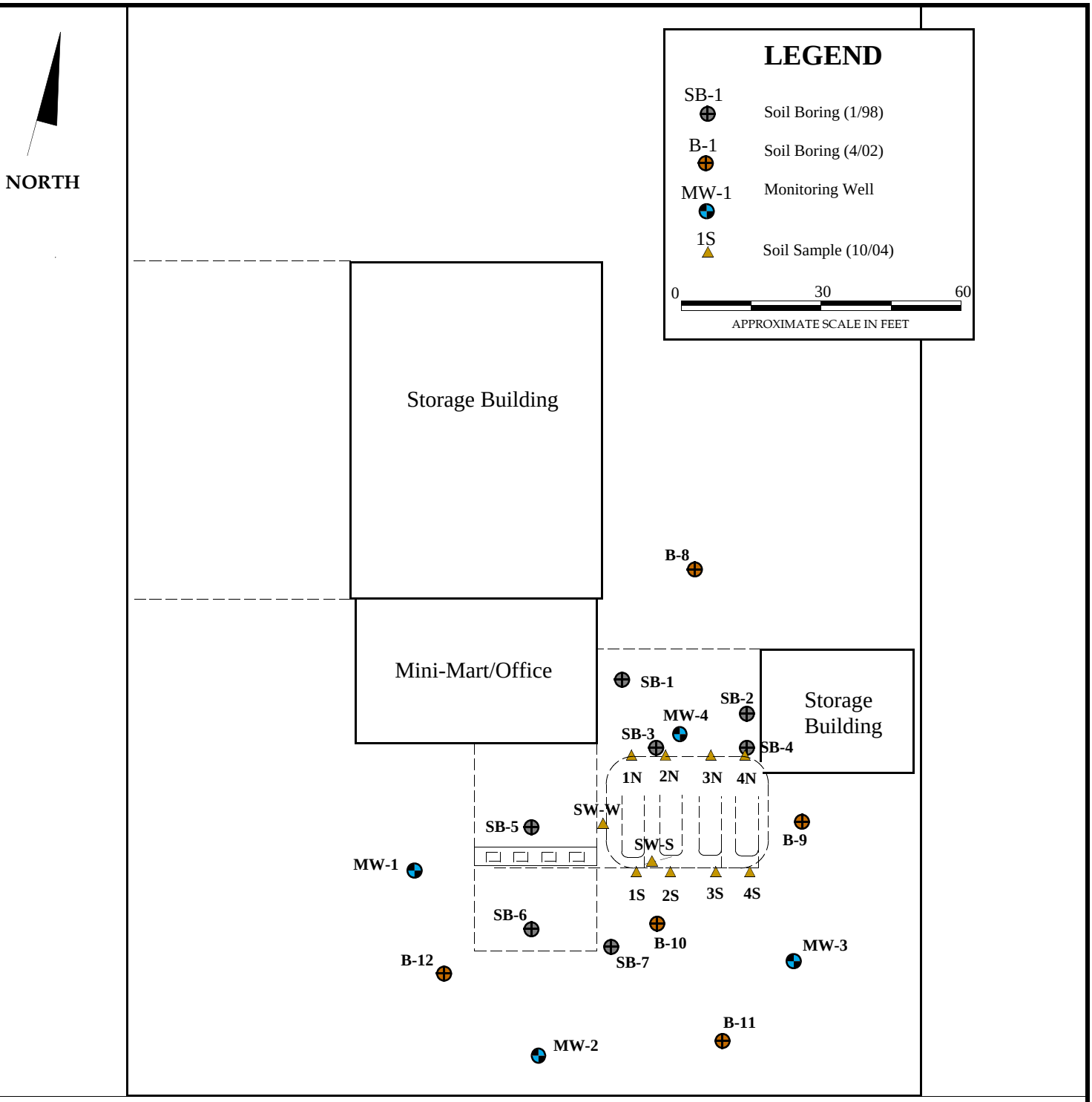
Figure 2

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.	Report Date
SP-150	1/20/06



Environmental Services	**SUMMARY OF GROUNDWATER FLOW DIRECTIONS**		Figure
	Glendale 76 1497 Glendale Road Arcata, California 95521	Project No. SP-150	Report Date 3/27/06	3



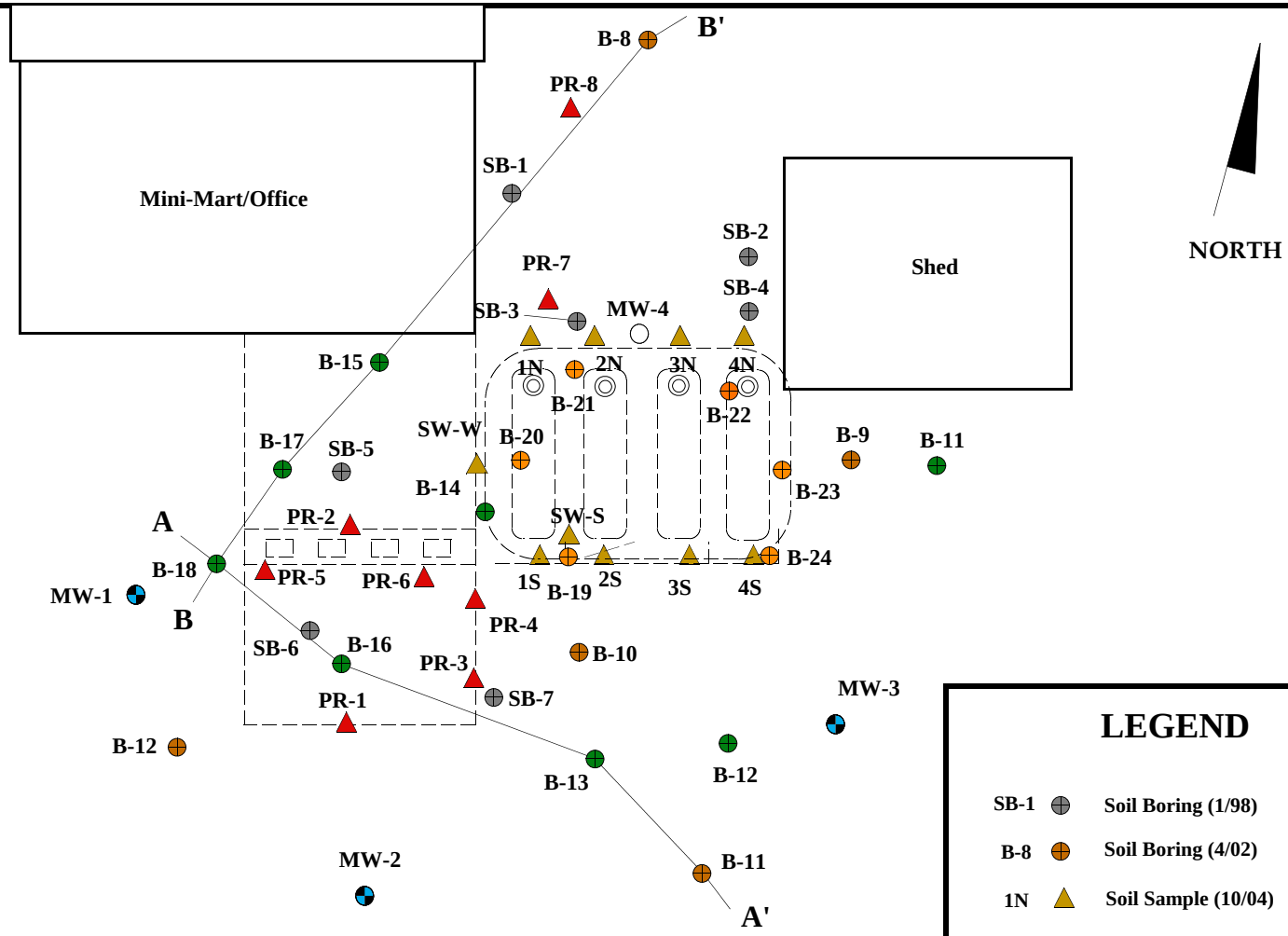
Glendale Road

Environmental Services

PREVIOUS INVESTIGATIONS

Figure 4

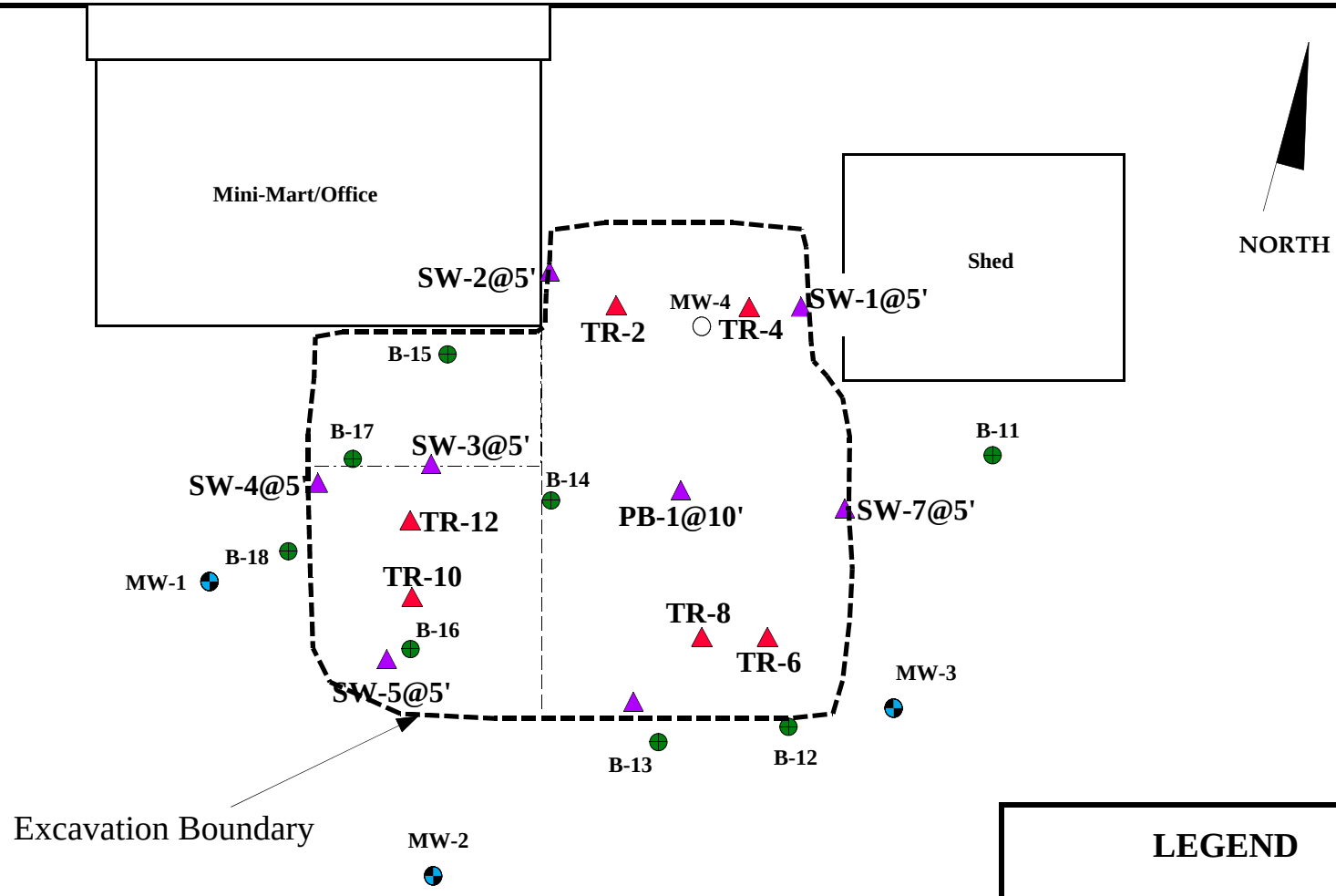
Glendale 76 1497 Glendale Road Arcata, California 95521	Project No.	Report Date
	SP-150	3/27/06



RECENT INVESTIGATION

Environmental Services

Glendale 76 1497 Glendale Road Arcata, California 95521	Project No.	Report Date	Figure
	SP-150	3/27/06	5

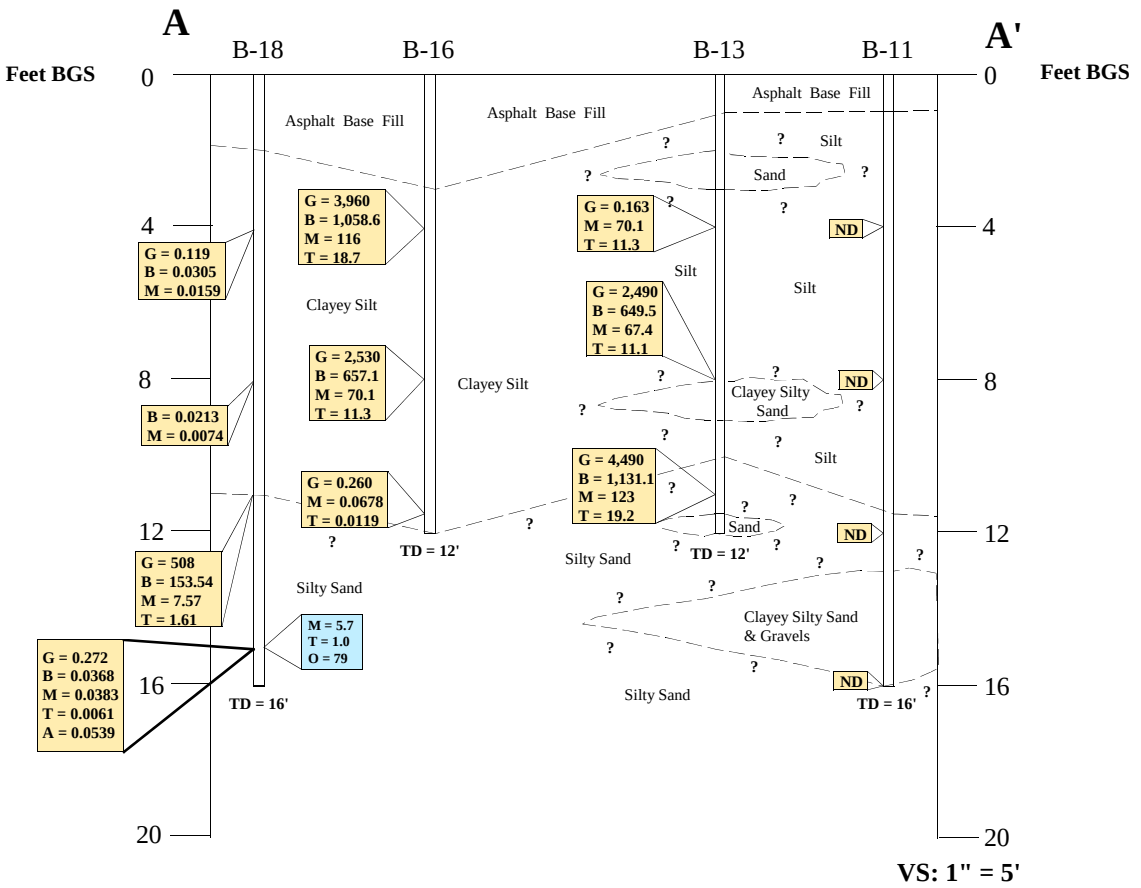


Environmental Services

SOIL EXCAVATION AND SAMPLING

Figure 6

Glendale 76 1497 Glendale Road Arcata, California 95521	Project No.	Report Date
	SP-150	3/27/06



LEGEND

Soil Analytical Results/ppm

Groundwater Analytical Results/ppb

G = TPHg
B = BTXE
M = MTBE
T = TAME

ND = Not detected above method detection limit.

A = TBA
O = TPHmo

Assumed Lithologic Boundary

0 20 40

APPROXIMATE SCALE IN FEET

ALL LOCATIONS ARE APPROXIMATE

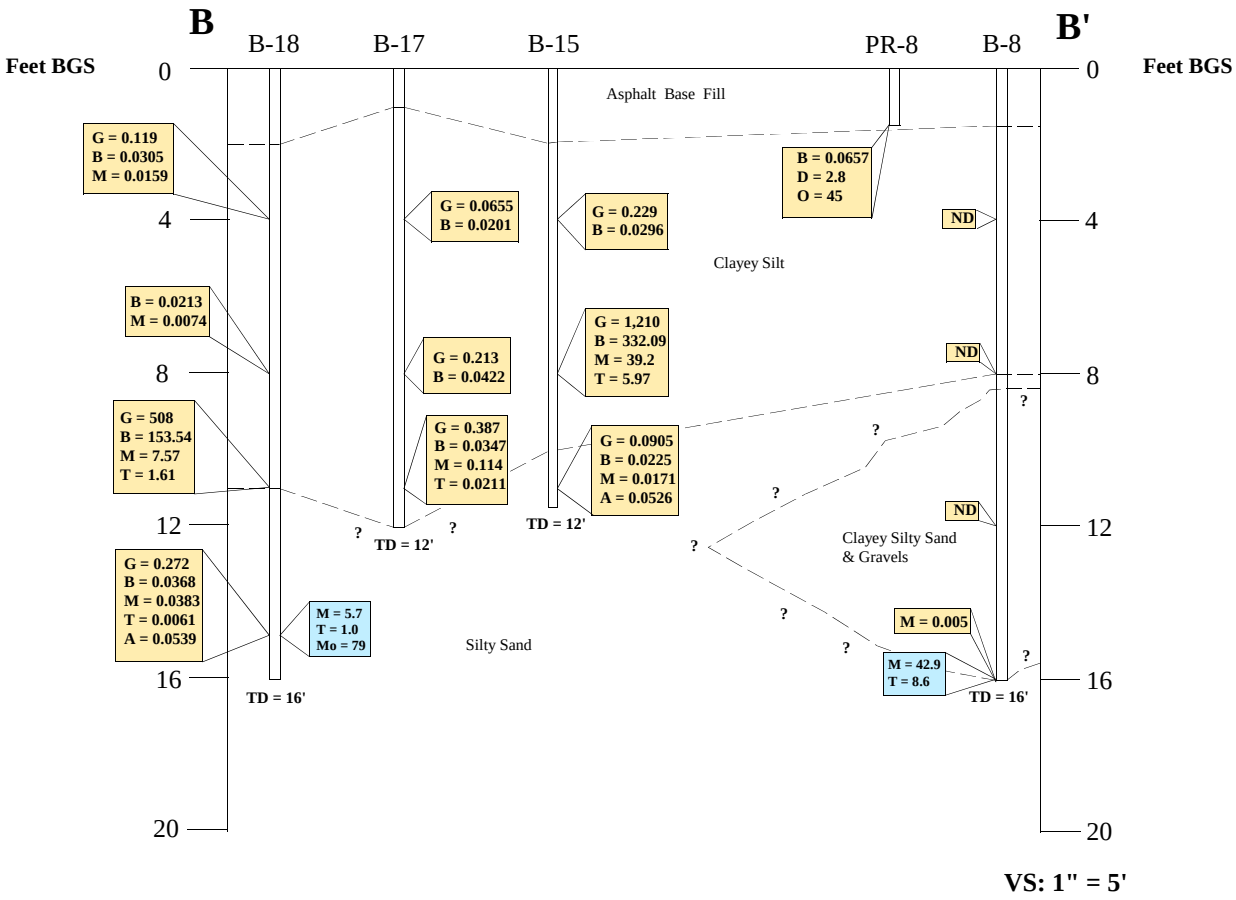
Environmental Services

LITHOLOGIC CROSS-SECTION OF A TO A'

Figure 7

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.	Report Date
SP-150	3/27/06



LEGEND

Soil Analytical Results/ppm

Groundwater Analytical Results/ppb

G = TPHg
B = BTXE
M = MTBE
T = TAME
A = TBA

ND = Not detected above method detection limit.
D = TPHd
O = TPHmo

Assumed Lithologic Boundary

0 20 40

APPROXIMATE SCALE IN FEET

ALL LOCATIONS ARE APPROXIMATE

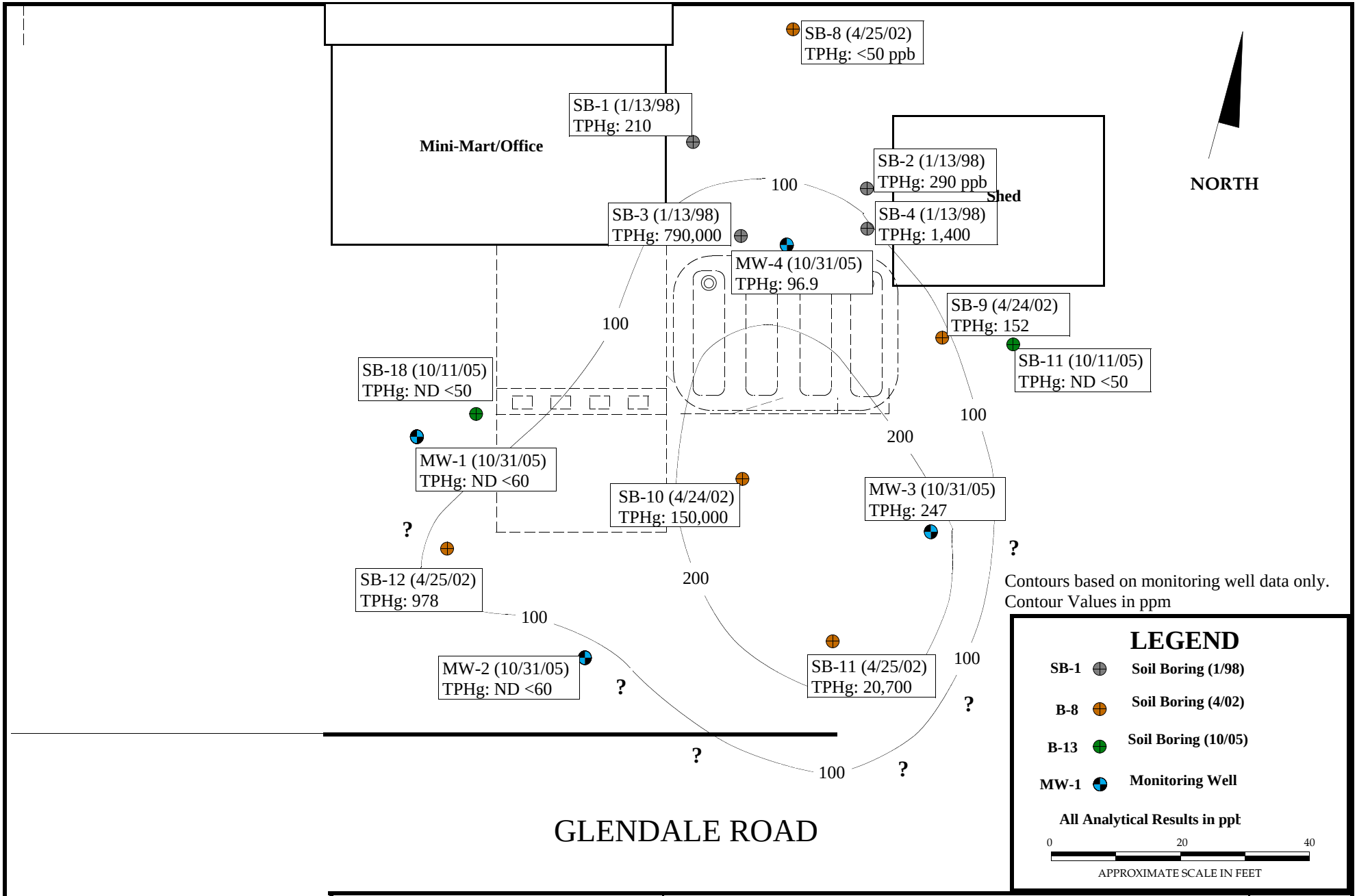
Environmental Services

LITHOLOGIC CROSS-SECTION OF B TO B'

Figure 8

Glendale 76
1497 Glendale Road
Arcata, California 95521

Project No.	Report Date
SP-150	3/27/06



Environmental Services

EXTENT OF GROUNDWATER CONTAMINATI

Figure 9

Glendale 76
1497 Glendale Road
Arcata, California 95521

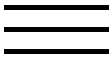
Project No.	Report Date
SP-150	3/27/06

Appendices

Appendix A

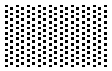
Legend for Soil Boring Logs

A/B or F/G /Base or Fill

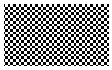


ML Silt

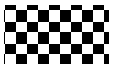
CL Clay



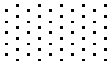
SM Silty Sand



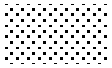
SC Clayey Sand



SM/SC Silty/Clayey Sand



SP Sand



SP/SM Silty Sand to Sand or Sandy Silt to Sand

Gradational Contact

Abrupt or Clear Contact

Stabilized Water Reading

Initial Water Reading

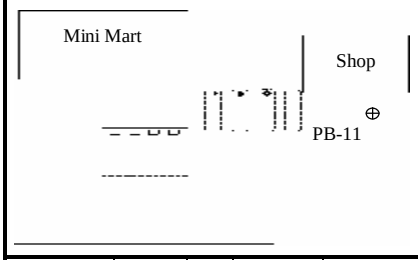
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	Boring No.
BO&T	PB-11
Job#: SP-150	**Sheet**
Date: 1/20/2006	1 of 8

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jack Skeahan
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level feet bgs		**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level feet bgs		**Boring Diameter:**	2.25 inch
		Boring Depth:	20 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					A/B	**0-1' Asphalt/Base**
			1					ML	**1-4' Silt**, brown, pebbles increasing toward bottom, organics-few, slightly moist, hydrocarbon odor.
			2						
			3						
220 ppm			4	*				ML	**4-11' Clayey Silt**, brown to light brown, mottling, increased moisture with depth, faint odor.
			5						
			6						
			7						
41 ppm			8	*					
			9						
			10						
			11					SM	**11-20' Silty Sand**, light brown, fine grained, moist, well sorted, silt increasing at bottom, hydrocarbon odor.
215 ppm			12	*					
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						**Bottom of Hole at 20 feet**

Comments: Water sample taken at 14.6 and 20 feet bgs. Turbidity is med.-low and color is light yellow-brown.

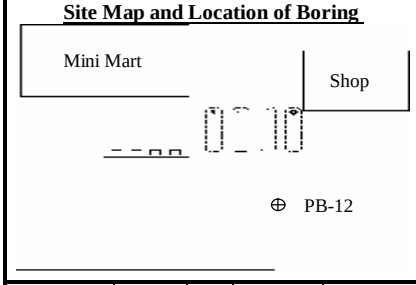
Boring Log

SounPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	Boring No.
BO&T	PB-12
Job#: SP-150	**Sheet**
Date: 1/20/2006	2 of 8

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jack Skeahan
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level feet bgs		**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level feet bgs		**Boring Diameter:**	2.25 inch
		Boring Depth:	12 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-2' Asphalt/Base**
			1						
			2					ML	**2-4' Silt**, dark brown, some pebbles towards bottom, some mottling, faint odor.
			3						
18 ppm			4	*				CL/ML	**4-9.5' Clayey Silt**, orange brown, mottles, slightly moist, faint odor.
			5						
			6						
			7						
41ppm			8	*					
			9						
			10					ML	**9.5-11 Silt**, light brown, organics, moist, no odor.
			11					SP	**11-12' Sand**, dark brown, fine grained, small amount of silt at top of unit, small to large pebbles at top.
14 ppm			12	*					**Bottom of Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Groundwater was not encountered.

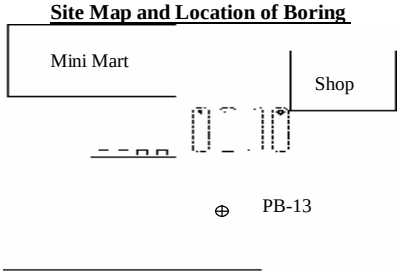
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	Boring No.
BO&T	PB-13
Job#: SP-150	**Sheet**
Date: 1/20/2006	3 of 8

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jack Skeahan
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level	feet bgs	**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level	feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	12 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					A/B	**0-1' Asphalt/Base**
			1					ML	**1-2' Clayey Silt**, brown, pebbles-few, hydrocarbon odor, slightly moist, some organics.
			2					SP	**2-3' Sand**, med. grained, dark grayish brown, poorly sorted, pebbles-few, slightly moist, faint odor.
			3					ML	**3-5' Silt**, dark brown, moist, pebbles with increasing size at depth, faint odor, no roots.
49 ppm			4	*					
			5					ML	**5-8' Silt**, light brown to brown, grey in mottling, no roots med. stiff.
			6						
			7						
3 ppm			8	*				SP	**8-9' Clayey Silty Sand**, dark grey and brown w/ fine to coarse sand and pebbles.
			9					ML	**9-10' Silt**, light brown, some organics, moist, faint odor.
			10					SM	**10-11.5' Silty Sand**, light brown, fine grained, some organics, moist, no odor, med. loose.
8 ppm			11	*				SP	**11.5-12' Sand**, brown, fine grained, pebbles-few, no odor.
			12						**Bottom of the Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Sample @4', 8', 11' due to litho change at 11.5 to limited sand layer, groundwater not encountered.

Boring Log

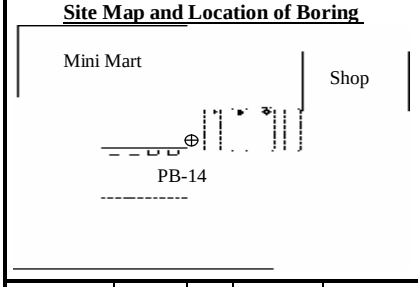
SunPacific Environmental Services (707) 269-0884

Client	Boring No.
BO&T	PB-14

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Job#: SP-150
Date: 1/20/2006
Sheet 4 of 8

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jeff Gaines
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level feet bgs		**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level feet bgs		**Boring Diameter:**	2.25 inch
		Boring Depth:	12 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					F/G	**0-1' Fill/Gravel**
			1					ML	**1-2' Clayey Silt**, dark brown, roots-few, firm to stiff, odor.
			2					ML	**2-6' Clayey Silt**, brownish orange, mottles, no roots, no odor.
6 ppm			3						
3 ppm			4	*					
			5						
			6					ML	**6-10' Clayey Silt**, light brownish orange, mottles, no roots, no odor.
			7						
10 ppm			8	*					
			9						
5 ppm			10	*				SP/ML	**10-11' Sandy Silt**, greenish brown, fine grained, odor.
			11					CL/ML	**11-12' Clayey Silt**, brownish orange, moist, firm, odor.
			12						**Bottom of Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Groundwater was not encountered.

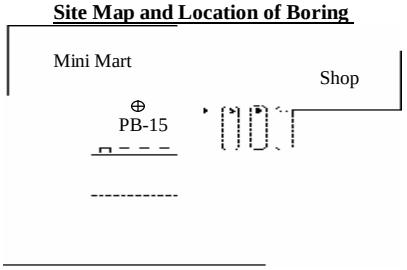
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	**Boring No.**
BO&T	PB-15
Job#: SP-150	**Sheet**
Date: 1/20/2006	5 of 8

Site Map and Location of Boring



DRILLER INFORMATION		**PROJECT INFORMATION**	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jeff Gaines
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level feet bgs		**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level feet bgs		**Boring Diameter:**	2.25 inch
		Boring Depth:	12 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					A/B	**0-2' Cement/Base**
			1						
			2					ML	**2-4' Clayey Silt**, dark brown, moist, no odor.
			3						
10 ppm			4	*				ML	**4-10' Clayey Silt**, brownish orange, moist,, no roots, greenish grey in mottles, faint odor.
			5						
			6						
			7						
15 ppm			8	*					
			9						
			10					SP	**10-11' Silty Sand**, brownish orange with green hue, loose, no gravels.
23 ppm			11	*				SP	**11-12' Silty Sand**, brownish orange with greenish hue, some gravels present, loose, faint odor.
			12						**Bottom of Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Groundwater was not encountered.

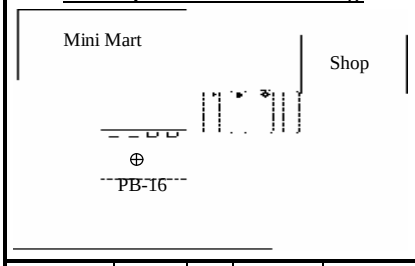
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	**Boring No.**
BO&T	PB-16
Job#: SP-150	**Sheet** 6 of 8
Date: 1/20/2006	

Site Map and Location of Boring



DRILLER INFORMATION		**PROJECT INFORMATION**	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jeff Gaines
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level feet bgs		**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level feet bgs		**Boring Diameter:**	2.25 inch
		Boring Depth:	12 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-3' Base/Fill**
			1						
			2						
			3					ML	**3-5' Clayey Silt**, dark brown, moist, no mottles, faint odor.
3 ppm			4	*					
			5					CL/ML	**5-8' Silty Clay to Clayey Silt**, brownish orange, moist to wet, mottles, no roots, faint odor.
			6						
			7						
9 ppm			8	*				CL	**8-12' Silty Clay to Sandy Silty Clay**, increased sand toward bottom, brownish orange with greenish hue intermixed, moist to wet.
			9						
			10						
			11						
12 ppm				*					
			12						**Bottom of Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Groundwater was not encountered.

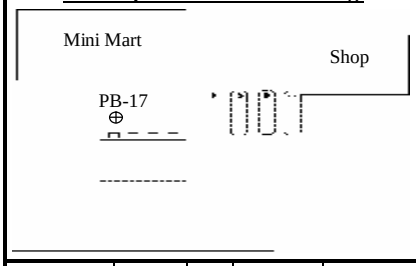
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	**Boring No.**
BO&T	PB-17
Job#: SP-150	**Sheet**
Date: 1/20/2006	7 of 8

Site Map and Location of Boring



DRILLER INFORMATION		**PROJECT INFORMATION**	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jeff Gaines
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
Approximate Initial Water Level	feet bgs	**Time Start:**	N/A
		Time Stop:	N/A
Approximate Stabilized Water Level	feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	12 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Asphalt/Base**
			1					ML	**1-2' Clayey Silt**, dark brown, faint odor, roots.
			2					ML	**2-9' Clayey Silt**, light brownish orange, mottles, moist, odor.
			3						
17 ppm			4	*					
			5						
			6						
			7						
55 ppm			8	*					
			9					ML	**9-11' Sandy Clayey Silt**, light brownish orange, pebbles toward bottom.
22 ppm			10						
			11	*				ML	**11-12' Clayey Sandy Silt**, brownish grey with green, large pebbles, moist to wet, odor.
52 ppm			12						**Bottom of Hole at 12 feet.**
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Comments: Groundwater was not encountered.

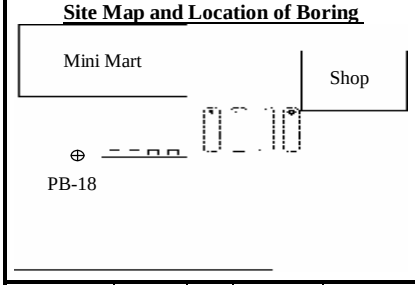
Boring Log

SunPacific Environmental Services (707) 269-0884

Job Site/ Address: Glendale 76
1497 Glendale Rd., Arcata, California, 95521

Client	Boring No.
BO&T	PB-18
Job#: SP-150	**Sheet**
Date: 1/20/2006	8 of 8

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Fisch Environmental	**Project Manager:**	Andy Malone
Rig Operator:	Dave Fisch	**Geologist:**	Jeff Gaines
Drilling Method:	Continuous Core	**Sampler:**	Jeff Gaines
Drill Rig Type:	Direct-Push	**Sampling Method:**	EPA SW-846 by 8260
	Approximate Initial Water Level feet bgs	**Time Start:**	N/A
		Time Stop:	N/A
	Approximate Stabilized Water Level feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	16 Feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-2' Asphalt/Base**
20 ppm			1						
			2					ML	**2-5' Clayey Silt**, dark brown, moist, no mottles, no roots, faint odor.
			3						
			4	*					
			5					ML	**5-11' Clayey Silt**, brownish orange, mottles common, moist, faint odor.
			6						
			7						
15 ppm			8	*					
			9						
			10						
17 ppm			11	*				SM	**11-13' Silty Sand**, light brown with greenish hue, mottles, no roots, moist, faint odor.
			12						
			13					SM	**13-16' Silty Sand**, light brown to orange with greenish hue, gravels are few to common, moist, faint odor.
			14						
25 ppm		▽	15	*					
			16						**Bottom of Hole at 16 feet**
			17						
			18						
			19						
			20						

Comments: Water at 14.8, sample taken, light turbidity, color is light yellow-brown.

Appendix B

NORTH COAST
LABORATORIES LTD.

October 12, 2005

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-150, Glendale 76

Order No.: 0509757
Invoice No.: 53481
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	B-19 @ 1'
01B	B-19 @ 1'
02A	B-19 @ 3'
02B	B-19 @ 3'
03A	B-20 @ 1'
03B	B-20 @ 1'
04A	B-20 @ 3'
04B	B-20 @ 3'
05A	B-21 @ 1'
05B	B-21 @ 1'
06A	B-21 @ 3'
06B	B-21 @ 3'
07A	B-22 @ 1'
07B	B-22 @ 1'
08A	B-22 @ 3'
08B	B-22 @ 3'
09A	B-23 @ 1'
09B	B-23 @ 1'
10A	B-23 @ 3'
10B	B-23 @ 3'
11A	B-24 @ 1'
11B	B-24 @ 1'
12A	B-24 @ 3'
12B	B-24 @ 3'

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr.
Laboratory Director

North Coast Laboratories, Ltd. **Date:** *12-Oct-05*

CLIENT: SounPacific / Sounhein Environmental
Project: SP-150, Glendale 76
Lab Order: 0509757

CASE NARRATIVE

Gasoline Components/Additives:
The toluene reporting limit was raised for sample B-23 @ 1' due to matrix interference.

The gasoline values for samples B-19 @ 3', B-21 @ 3', B-22 @ 3', B-24 @ 1' and B-24 @ 3' include the reported gasoline components in addition to other peaks in the gasoline range.

TPH as Diesel/Motor Oil:
Samples B-19 @ 3', B-21 @ 3', B-22 @ 3', B-24 @ 1' and B-24 @ 3' contain some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights.

Samples B-19 @ 3', B-21 @ 3', B-22 @ 3' and B-24 @ 3' contain material similar to degraded or weathered diesel oil.

Sample B-24 @ 1' contains material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

Samples B-19 @ 3', B-21 @ 3', B-22 @ 3' and B-24 @ 3' do not have the typical pattern of fresh motor oil. However, the results reported represent the amount of material in the motor oil range.

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-19 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/6/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/6/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/6/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/6/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/6/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/6/05
Toluene	ND	0.0050	µg/g	1.0	10/5/05	10/6/05
Ethylbenzene	ND	0.0050	µg/g	1.0	10/5/05	10/6/05
m,p-Xylene	ND	0.010	µg/g	1.0	10/5/05	10/6/05
o-Xylene	ND	0.0050	µg/g	1.0	10/5/05	10/6/05
Surrogate: 1,4-Dichlorobenzene-d4	92.6	80-120	% Rec	1.0	10/5/05	10/6/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/6/05

Client Sample ID: B-19 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-01B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/6/05	10/9/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/6/05	10/7/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-19 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	0.015	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	1.9	0.050	µg/g	10	10/5/05	10/7/05
Ethylbenzene	2.5	0.050	µg/g	10	10/5/05	10/7/05
m,p-Xylene	11	0.10	µg/g	10	10/5/05	10/7/05
o-Xylene	4.7	0.050	µg/g	10	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	107	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	130	10	µg/g	10	10/5/05	10/7/05

Client Sample ID: B-19 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-02B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	33	1.0	µg/g	1.0	10/6/05	10/7/05
TPHC Motor Oil	13	10	µg/g	1.0	10/6/05	10/7/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-20 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-03A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	0.011	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	0.0067	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	96.0	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-20 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-03B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/6/05	10/9/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/6/05	10/7/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-20 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-04A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	ND	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	95.9	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-20 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-04B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/6/05	10/9/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/6/05	10/8/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-21 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-05A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	0.022	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	ND	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	94.6	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-21 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-05B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/6/05	10/9/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/6/05	10/8/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-21 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-06A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	0.036	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	5.1	0.10	µg/g	20	10/5/05	10/7/05
Ethylbenzene	6.7	0.10	µg/g	20	10/5/05	10/7/05
m,p-Xylene	30	0.20	µg/g	20	10/5/05	10/7/05
o-Xylene	15	0.10	µg/g	20	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	101	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	500	20	µg/g	20	10/5/05	10/7/05

Client Sample ID: B-21 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-06B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	160	25	µg/g	25	10/6/05	10/9/05
TPHC Motor Oil	24	10	µg/g	1.0	10/6/05	10/8/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-22 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-07A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	0.0074	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	ND	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	0.0064	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	95.5	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-22 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-07B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/7/05	10/10/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/7/05	10/11/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-22 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-08A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	0.060	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	3.5	0.050	µg/g	10	10/5/05	10/7/05
Ethylbenzene	4.0	0.050	µg/g	10	10/5/05	10/7/05
m,p-Xylene	18	0.10	µg/g	10	10/5/05	10/7/05
o-Xylene	9.3	0.050	µg/g	10	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	95.6	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	300	10	µg/g	10	10/5/05	10/7/05

Client Sample ID: B-22 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-08B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	33	1.0	µg/g	1.0	10/7/05	10/10/05
TPHC Motor Oil	10	10	µg/g	1.0	10/7/05	10/10/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-23 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-09A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	ND	0.010	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	0.0060	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	0.014	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	0.0081	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	98.9	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-23 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-09B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/7/05	10/10/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/7/05	10/11/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-23 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-10A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	ND	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	0.0053	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	98.9	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-23 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-10B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	10/7/05	10/10/05
TPHC Motor Oil	ND	10	µg/g	1.0	10/7/05	10/11/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-24 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-11A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	ND	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	0.019	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	0.43	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	2.2	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	0.78	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	102	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	810	20	µg/g	20	10/5/05	10/7/05

Client Sample ID: B-24 @ 1' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-11B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	22	1.0	µg/g	1.0	10/7/05	10/10/05
TPHC Motor Oil	29	10	µg/g	1.0	10/7/05	10/10/05

Date: 12-Oct-05
WorkOrder: 0509757

ANALYTICAL REPORT

Client Sample ID: B-24 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-12A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/5/05	10/7/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/5/05	10/7/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Benzene	0.053	0.0050	µg/g	1.0	10/5/05	10/7/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/5/05	10/7/05
Toluene	1.7	0.0050	µg/g	1.0	10/5/05	10/7/05
Ethylbenzene	0.81	0.0050	µg/g	1.0	10/5/05	10/7/05
m,p-Xylene	3.3	0.010	µg/g	1.0	10/5/05	10/7/05
o-Xylene	1.6	0.0050	µg/g	1.0	10/5/05	10/7/05
Surrogate: 1,4-Dichlorobenzene-d4	99.3	80-120	% Rec	1.0	10/5/05	10/7/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	57	1.0	µg/g	1.0	10/5/05	10/7/05

Client Sample ID: B-24 @ 3' **Received:** 9/30/05 **Collected:** 9/28/05 0:00
Lab ID: 0509757-12B

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	72	1.0	µg/g	1.0	10/7/05	10/10/05
TPHC Motor Oil	15	10	µg/g	1.0	10/7/05	10/10/05

North Coast Laboratories, Ltd.

Date: 12-Oct-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0509757
Project: SP-150, Glendale 76

QC SUMMARY REPORT
Method Blank

Sample ID **MB-14361** Batch ID: **14361** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **10/6/05 6:40:00 AM** Prep Date **10/5/05**
Client ID: Run ID: **ORGCMS2_051006A** SeqNo: **536893**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Tert-butyl alcohol (TBA)	ND	0.50									
Di-isopropyl ether (DIPE)	ND	0.020									
Ethyl tert-butyl ether (ETBE)	ND	0.020									
Benzene	0.001263	0.0050									J
Tert-amyl methyl ether (TAME)	ND	0.020									
Toluene	ND	0.0050									
Ethylbenzene	0.001453	0.0050									J
m,p-Xylene	ND	0.010									
o-Xylene	ND	0.0050									
1,4-Dichlorobenzene-d4	0.940	0.10	1.00	0	94.0%	80	120	0			

Sample ID **MB-14361** Batch ID: **14361** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/6/05 6:40:00 AM** Prep Date **10/5/05**
Client ID: Run ID: **ORGCMS2_051006B** SeqNo: **536981**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	ND	1.0									

Sample ID **MB-14366** Batch ID: **14366** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/7/05 8:11:37 PM** Prep Date **10/6/05**
Client ID: Run ID: **ORGC7_051007A** SeqNo: **537304**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Motor Oil	ND	10									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0509757
Project: SP-150, Glendale 76

QC SUMMARY REPORT
Method Blank

Sample ID **MB-14366** Batch ID: **14366** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/9/05 3:10:58 PM** Prep Date **10/6/05**
Client ID: Run ID: **ORGC7_051007A** SeqNo: **537325**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.4658	1.0									J

Sample ID **MB-14372** Batch ID: **14372** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/10/05 12:22:10 AM** Prep Date **10/7/05**
Client ID: Run ID: **ORGC7_051009A** SeqNo: **537712**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.9460	1.0									J

Sample ID **MB-14372** Batch ID: **14372** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/11/05 10:48:00 AM** Prep Date **10/7/05**
Client ID: Run ID: **ORGC7_051009A** SeqNo: **537726**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Motor Oil	ND	10									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 12-Oct-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0509757
Project: SP-150, Glendale 76

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCS-14361** Batch ID: **14361** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **10/6/05 2:37:00 AM** Prep Date **10/5/05**
Client ID: Run ID: **ORGCMS2_051006A** SeqNo: **536890**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.4110	0.025	0.400	0	103%	86	137	0			
Tert-butyl alcohol (TBA)	10.08	0.50	8.00	0	126%	43	185	0			
Di-isopropyl ether (DIPE)	0.3964	0.020	0.400	0	99.1%	80	137	0			
Ethyl tert-butyl ether (ETBE)	0.4104	0.020	0.400	0	103%	81	133	0			
Benzene	0.3928	0.0050	0.400	0	98.2%	74	137	0			
Tert-amyl methyl ether (TAME)	0.4000	0.020	0.400	0	100%	81	135	0			
Toluene	0.3845	0.0050	0.400	0	96.1%	69	139	0			
Ethylbenzene	0.3990	0.0050	0.400	0	99.8%	77	139	0			
m,p-Xylene	0.8189	0.010	0.800	0	102%	74	147	0			
o-Xylene	0.3789	0.0050	0.400	0	94.7%	62	147	0			
1,4-Dichlorobenzene-d4	0.975	0.10	1.00	0	97.5%	80	120	0			

Sample ID **LCSD-14361** Batch ID: **14361** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **10/6/05 3:08:00 AM** Prep Date **10/5/05**
Client ID: Run ID: **ORGCMS2_051006A** SeqNo: **536891**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3903	0.025	0.400	0	97.6%	86	137	0.411	5.18%	20	
Tert-butyl alcohol (TBA)	9.041	0.50	8.00	0	113%	43	185	10.1	10.8%	20	
Di-isopropyl ether (DIPE)	0.3755	0.020	0.400	0	93.9%	80	137	0.396	5.41%	20	
Ethyl tert-butyl ether (ETBE)	0.3971	0.020	0.400	0	99.3%	81	133	0.410	3.30%	20	
Benzene	0.3739	0.0050	0.400	0	93.5%	74	137	0.393	4.94%	20	
Tert-amyl methyl ether (TAME)	0.3730	0.020	0.400	0	93.2%	81	135	0.400	6.98%	20	
Toluene	0.3726	0.0050	0.400	0	93.2%	69	139	0.384	3.14%	20	
Ethylbenzene	0.3824	0.0050	0.400	0	95.6%	77	139	0.399	4.25%	20	
m,p-Xylene	0.7764	0.010	0.800	0	97.0%	74	147	0.819	5.32%	20	
o-Xylene	0.3619	0.0050	0.400	0	90.5%	62	147	0.379	4.59%	20	
1,4-Dichlorobenzene-d4	1.01	0.10	1.00	0	101%	80	120	0.975	3.47%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0509757
Project: SP-150, Glendale 76

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCSG-14361** Batch ID: **14361** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/6/05 4:39:00 AM** Prep Date **10/5/05**
Client ID: Run ID: **ORGCMS2_051006B** SeqNo: **536978**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	16.94	1.0	20.0	0	84.7%	64	150	0			

Sample ID **LCSDG-14361** Batch ID: **14361** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/6/05 5:10:00 AM** Prep Date **10/5/05**
Client ID: Run ID: **ORGCMS2_051006B** SeqNo: **536979**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	16.50	1.0	20.0	0	82.5%	64	150	16.9	2.62%	20	

Sample ID **LCS-14366** Batch ID: **14366** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/7/05 6:10:18 PM** Prep Date **10/6/05**
Client ID: Run ID: **ORGC7_051007A** SeqNo: **537301**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	10.44	1.0	10.0	0	104%	70	130	0			
TPHC Motor Oil	19.26	10	20.0	0	96.3%	70	130	0			

Sample ID **LCSD-14366** Batch ID: **14366** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/7/05 6:30:25 PM** Prep Date **10/6/05**
Client ID: Run ID: **ORGC7_051007A** SeqNo: **537302**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	10.65	1.0	10.0	0	107%	70	130	10.4	2.02%	15	
TPHC Motor Oil	18.59	10	20.0	0	93.0%	70	130	19.3	3.53%	15	

Sample ID **LCS-14372** Batch ID: **14372** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/9/05 9:40:27 PM** Prep Date **10/7/05**
Client ID: Run ID: **ORGC7_051009A** SeqNo: **537710**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	10.54	1.0	10.0	0	105%	70	130	0			
TPHC Motor Oil	21.03	10	20.0	0	105%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0509757
Project: SP-150, Glendale 76

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-14372** Batch ID: **14372** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/9/05 10:01:05 PM** Prep Date **10/7/05**
Client ID: Run ID: **ORGC7_051009A** SeqNo: **537711**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	10.69	1.0	10.0	0	107%	70	130	10.5	1.37%	15	
TPHC Motor Oil	21.61	10	20.0	0	108%	70	130	21.0	2.73%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0509757

Attention: Greg Southeind
Results & Invoice to: SoanPacific
Address: P.O. Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to: Greg@soanpacific.com
Elisa@soanpacific.com
Sampler (Sign & Print): Elisa King Elisa

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☑ 5–7 Day
☐ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

PROJECT INFORMATION
Project Number: SP-150
Project Name: Glendale 76
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	TPHd/mo-NOS	BTEX	5-oxys	TPHg
	B-19 @ 1'	9/28/05	~~8~~	S	13		X	X	X	X
	B-19 @ 3'	9/28/05		S						
	B-20 @ 1'	9/28/05		S						
	B-20 @ 3'	9/28/05		S						
	B-21 @ 1'	9/28/05		S						
	B-21 @ 3'	9/28/05		S						
	B-22 @ 1'	9/28/05		S						
	B-22 @ 3'	9/28/05		S						
	B-23 @ 1'	9/28/05		S						
	B-23 @ 3'	9/28/05		S	↓	↓	↓	↓	↓	↓

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Elisa King Elisa King	9/28/05		9/30/05 1555
Marty Lasen Marty Lasen	9/30/05		

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus (Hand)

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0509757

Attention: Greg Sounhein
Results & Invoice to: SanPacific
Address: P.O. Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to: greg@sanpacific.com
Elisa@sanpacific.com
Sampler (Sign & Print): ELISA KING

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☑ 5–7 Day
☐ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

PROJECT INFORMATION
Project Number: SP-150
Project Name: Glendale 76
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: TPHd / mo	BTEX	5-OXYs	TPHg
	B-24@1'	9/28/05		S	13		X	X	X	X
	B-24@3'	9/28/05		S	13		X	X	X	X

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
cold, intact

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
ELISA KING	9/28/05		
Matt Thung Marty Larson	9/30/05		1355

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST
LABORATORIES LTD.

October 20, 2005

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-150 Glendale 76 soil sampling

Order No.: 0510151
Invoice No.: 53673
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	PR-1
02A	PR-2
03A	PR-3
04A	PR-4
05A	PR-5
06A	PR-6
07A	PR-7
08A	PR-8

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr.
Laboratory Director

North Coast Laboratories, Ltd. **Date:** *21-Oct-05*

CLIENT: SounPacific / Sounhein Environmental
Project: SP-150 Glendale 76 soil sampling
Lab Order: 0510151

CASE NARRATIVE

TPH as Diesel/Motor Oil:
Samples PR-1, PR-3, PR-4, PR-5 and PR-6 contain some material lighter than diesel. However, some of this material extends into the diesel range of molecular weights.

Samples PR-1, PR-2, PR-3, PR-6, PR-7 and PR-8 contain material similar to degraded or weathered diesel oil.

Sample PR-4 contains material in the diesel range of molecular weights, but the material does not exhibit the peak pattern typical of diesel oil.

Samples PR-5, PR-6 and PR-8 do not have the typical pattern of fresh motor oil. However, the results reported represent the amount of material in the motor oil range.

Gasoline Components/Additives:
Sample PR-2 appears to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported result represents the amount of material in the gasoline range.

The gasoline values for samples PR-1, PR-3, PR-4, PR-5, PR-6 and PR-7 include the reported gasoline components and additives in addition to other peaks in the gasoline range.

Samples PR-3 and PR-6 were reported as ND with a dilution due to matrix interference.

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 20-Oct-05
WorkOrder: 0510151

ANALYTICAL REPORT

Client Sample ID: PR-1 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	9.3	0.25	µg/g	10	10/12/05	10/14/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/12/05	10/13/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Benzene	0.59	0.0050	µg/g	1.0	10/12/05	10/13/05
Tert-amyl methyl ether (TAME)	1.7	0.020	µg/g	1.0	10/12/05	10/13/05
Toluene	14	0.050	µg/g	10	10/12/05	10/14/05
Ethylbenzene	4.4	0.050	µg/g	10	10/12/05	10/14/05
m,p-Xylene	19	0.10	µg/g	10	10/12/05	10/14/05
o-Xylene	8.6	0.050	µg/g	10	10/12/05	10/14/05
Surrogate: 1,4-Dichlorobenzene-d4	110	80-120	% Rec	1.0	10/12/05	10/13/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	20	1.0	µg/g	1.0	10/12/05	10/12/05
TPHC Motor Oil	120	10	µg/g	1.0	10/12/05	10/12/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	350	10	µg/g	10	10/12/05	10/14/05

Client Sample ID: PR-2 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.089	0.025	µg/g	1.0	10/12/05	10/13/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/12/05	10/13/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Benzene	0.019	0.0050	µg/g	1.0	10/12/05	10/13/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Toluene	0.038	0.0050	µg/g	1.0	10/12/05	10/13/05
Ethylbenzene	0.060	0.0050	µg/g	1.0	10/12/05	10/13/05
m,p-Xylene	0.23	0.010	µg/g	1.0	10/12/05	10/13/05
o-Xylene	0.054	0.0050	µg/g	1.0	10/12/05	10/13/05
Surrogate: 1,4-Dichlorobenzene-d4	105	80-120	% Rec	1.0	10/12/05	10/13/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

ANALYTICAL REPORT

TPHC Diesel (C12-C22)	51	10	µg/g	10	10/12/05	10/13/05
TPHC Motor Oil	550	100	µg/g	10	10/12/05	10/13/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	17	1.0	µg/g	1.0	10/12/05	10/13/05

Client Sample ID: PR-3 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-03A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	39	1.2	µg/g	50	10/12/05	10/13/05
Tert-butyl alcohol (TBA)	ND	25	µg/g	50	10/12/05	10/13/05
Di-isopropyl ether (DIPE)	ND	1.0	µg/g	50	10/12/05	10/13/05
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/g	50	10/12/05	10/13/05
Benzene	0.79	0.25	µg/g	50	10/12/05	10/13/05
Tert-amyl methyl ether (TAME)	4.7	1.0	µg/g	50	10/12/05	10/13/05
Toluene	15	0.25	µg/g	50	10/12/05	10/13/05
Ethylbenzene	3.8	0.25	µg/g	50	10/12/05	10/13/05
m,p-Xylene	17	0.50	µg/g	50	10/12/05	10/13/05
o-Xylene	6.4	0.25	µg/g	50	10/12/05	10/13/05
Surrogate: 1,4-Dichlorobenzene-d4	107	80-120	% Rec	50	10/12/05	10/13/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	110	10	µg/g	10	10/12/05	10/13/05
TPHC Motor Oil	230	100	µg/g	10	10/12/05	10/13/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	230	50	µg/g	50	10/12/05	10/13/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 20-Oct-05
WorkOrder: 0510151

ANALYTICAL REPORT

Client Sample ID: PR-4 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-04A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	43	0.50	µg/g	20	10/12/05	10/14/05
Tert-butyl alcohol (TBA)	2.4	0.50	µg/g	1.0	10/12/05	10/13/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Benzene	0.75	0.0050	µg/g	1.0	10/12/05	10/13/05
Tert-amyl methyl ether (TAME)	4.3	0.40	µg/g	20	10/12/05	10/14/05
Toluene	11	0.10	µg/g	20	10/12/05	10/14/05
Ethylbenzene	0.84	0.0050	µg/g	1.0	10/12/05	10/13/05
m,p-Xylene	5.8	0.20	µg/g	20	10/12/05	10/14/05
o-Xylene	2.3	0.10	µg/g	20	10/12/05	10/14/05
Surrogate: 1,4-Dichlorobenzene-d4	104	80-120	% Rec	1.0	10/12/05	10/13/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	33	10	µg/g	10	10/12/05	10/13/05
TPHC Motor Oil	230	100	µg/g	10	10/12/05	10/13/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	120	20	µg/g	20	10/12/05	10/14/05

Client Sample ID: PR-5 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-05A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	0.47	0.025	µg/g	1.0	10/12/05	10/13/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/12/05	10/13/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/12/05	10/13/05
Benzene	0.057	0.0050	µg/g	1.0	10/12/05	10/13/05
Tert-amyl methyl ether (TAME)	0.16	0.020	µg/g	1.0	10/12/05	10/13/05
Toluene	0.16	0.0050	µg/g	1.0	10/12/05	10/13/05
Ethylbenzene	1.7	0.0050	µg/g	1.0	10/12/05	10/13/05
m,p-Xylene	4.7	0.10	µg/g	10	10/12/05	10/14/05
o-Xylene	1.9	0.0050	µg/g	1.0	10/12/05	10/13/05
Surrogate: 1,4-Dichlorobenzene-d4	116	80-120	% Rec	1.0	10/12/05	10/13/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

ANALYTICAL REPORT

TPHC Diesel (C12-C22)	26	1.0	µg/g	1.0	10/12/05	10/13/05
TPHC Motor Oil	61	10	µg/g	1.0	10/12/05	10/13/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	89	10	µg/g	10	10/12/05	10/14/05

Client Sample ID: PR-6 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-06A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	59	1.2	µg/g	50	10/12/05	10/13/05
Tert-butyl alcohol (TBA)	ND	25	µg/g	50	10/12/05	10/13/05
Di-isopropyl ether (DIPE)	ND	1.0	µg/g	50	10/12/05	10/13/05
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/g	50	10/12/05	10/13/05
Benzene	1.5	0.25	µg/g	50	10/12/05	10/13/05
Tert-amyl methyl ether (TAME)	9.0	1.0	µg/g	50	10/12/05	10/13/05
Toluene	41	0.25	µg/g	50	10/12/05	10/13/05
Ethylbenzene	12	0.25	µg/g	50	10/12/05	10/13/05
m,p-Xylene	56	0.50	µg/g	50	10/12/05	10/13/05
o-Xylene	23	0.25	µg/g	50	10/12/05	10/13/05
Surrogate: 1,4-Dichlorobenzene-d4	107	80-120	% Rec	50	10/12/05	10/13/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	180	25	µg/g	25	10/14/05	10/15/05
TPHC Motor Oil	20	10	µg/g	1.0	10/14/05	10/15/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	620	50	µg/g	50	10/12/05	10/13/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 20-Oct-05
WorkOrder: 0510151

ANALYTICAL REPORT

Client Sample ID: PR-7 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-07A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	32	0.50	µg/g	20	10/12/05	10/14/05
Tert-butyl alcohol (TBA)	1.6	0.50	µg/g	1.0	10/12/05	10/14/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/12/05	10/14/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/12/05	10/14/05
Benzene	1.1	0.0050	µg/g	1.0	10/12/05	10/14/05
Tert-amyl methyl ether (TAME)	3.3	0.40	µg/g	20	10/12/05	10/14/05
Toluene	15	0.10	µg/g	20	10/12/05	10/14/05
Ethylbenzene	1.5	0.10	µg/g	20	10/12/05	10/14/05
m,p-Xylene	5.5	0.20	µg/g	20	10/12/05	10/14/05
o-Xylene	1.6	0.10	µg/g	20	10/12/05	10/14/05
Surrogate: 1,4-Dichlorobenzene-d4	101	80-120	% Rec	1.0	10/12/05	10/14/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	26	10	µg/g	10	10/12/05	10/13/05
TPHC Motor Oil	390	100	µg/g	10	10/12/05	10/13/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	88	20	µg/g	20	10/12/05	10/14/05

Client Sample ID: PR-8 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510151-08A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	10/12/05	10/14/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	10/12/05	10/14/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	10/12/05	10/14/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	10/12/05	10/14/05
Benzene	ND	0.0050	µg/g	1.0	10/12/05	10/14/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	10/12/05	10/14/05
Toluene	0.027	0.0050	µg/g	1.0	10/12/05	10/14/05
Ethylbenzene	0.0060	0.0050	µg/g	1.0	10/12/05	10/14/05
m,p-Xylene	0.018	0.010	µg/g	1.0	10/12/05	10/14/05
o-Xylene	0.0097	0.0050	µg/g	1.0	10/12/05	10/14/05
Surrogate: 1,4-Dichlorobenzene-d4	108	80-120	% Rec	1.0	10/12/05	10/14/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 20-Oct-05

ANALYTICAL REPORT

WorkOrder: 0510151

TPHC Diesel (C12-C22)	2.8	1.0	µg/g	1.0	10/12/05	10/13/05
TPHC Motor Oil	45	10	µg/g	1.0	10/12/05	10/13/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	10/12/05	10/14/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

North Coast Laboratories, Ltd.

Date: 20-Oct-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510151
Project: SP-150 Glendale 76 soil sampling

QC SUMMARY REPORT

Method Blank

Sample ID **MB-14408** Batch ID: **14408** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **10/13/05 4:22:00 AM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013C** SeqNo: **539036**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Tert-butyl alcohol (TBA)	ND	0.50									
Di-isopropyl ether (DIPE)	ND	0.020									
Ethyl tert-butyl ether (ETBE)	ND	0.020									
Benzene	0.001328	0.0050									J
Tert-amyl methyl ether (TAME)	ND	0.020									
Toluene	0.002386	0.0050									J
Ethylbenzene	0.001490	0.0050									J
m,p-Xylene	ND	0.010									
o-Xylene	0.001488	0.0050									J
1,4-Dichlorobenzene-d4	1.02	0.10	1.00	0	102%	80	120	0			

Sample ID **MB-14408** Batch ID: **14408** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/13/05 4:22:00 AM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013A** SeqNo: **538913**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	ND	1.0									

Sample ID **MB-14408A** Batch ID: **14408** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/14/05 7:26:00 AM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013B** SeqNo: **538978**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	ND	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510151
Project: SP-150 Glendale 76 soil sampling

QC SUMMARY REPORT
Method Blank

Sample ID **MB-14400** Batch ID: **14400** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/12/05 5:52:48 PM** Prep Date **10/12/05**
Client ID: Run ID: **ORGC7_051012A** SeqNo: **538423**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.6654	1.0									J
TPHC Motor Oil	ND	10									

Sample ID **MB-14425** Batch ID: **14425** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/15/05 3:05:32 AM** Prep Date **10/14/05**
Client ID: Run ID: **ORGC7_051015A** SeqNo: **540090**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.4486	1.0									J
TPHC Motor Oil	ND	10									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 20-Oct-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510151
Project: SP-150 Glendale 76 soil sampling

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCS-14408** Batch ID: **14408** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **10/13/05 12:15:00 PM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013C** SeqNo: **539033**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3792	0.025	0.400	0	94.8%	86	137	0			
Tert-butyl alcohol (TBA)	9.185	0.50	8.00	0	115%	43	185	0			
Di-isopropyl ether (DIPE)	0.3811	0.020	0.400	0	95.3%	80	137	0			
Ethyl tert-butyl ether (ETBE)	0.3725	0.020	0.400	0	93.1%	81	133	0			
Benzene	0.4243	0.0050	0.400	0	106%	74	137	0			
Tert-amyl methyl ether (TAME)	0.3599	0.020	0.400	0	90.0%	81	135	0			
Toluene	0.3995	0.0050	0.400	0	99.9%	69	139	0			
Ethylbenzene	0.3993	0.0050	0.400	0	99.8%	77	139	0			
m,p-Xylene	0.8920	0.010	0.800	0	111%	74	147	0			
o-Xylene	0.3662	0.0050	0.400	0	91.6%	62	147	0			
1,4-Dichlorobenzene-d4	1.20	0.10	1.00	0	120%	80	120	0			

Sample ID **LCSD-14408** Batch ID: **14408** Test Code: **8260OXYS** Units: **µg/g** Analysis Date **10/13/05 12:46:00 PM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013C** SeqNo: **539034**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.3934	0.025	0.400	0	98.4%	86	137	0.379	3.68%	20	
Tert-butyl alcohol (TBA)	9.433	0.50	8.00	0	118%	43	185	9.18	2.67%	20	
Di-isopropyl ether (DIPE)	0.3946	0.020	0.400	0	98.6%	80	137	0.381	3.47%	20	
Ethyl tert-butyl ether (ETBE)	0.3875	0.020	0.400	0	96.9%	81	133	0.372	3.93%	20	
Benzene	0.4263	0.0050	0.400	0	107%	74	137	0.424	0.451%	20	
Tert-amyl methyl ether (TAME)	0.3767	0.020	0.400	0	94.2%	81	135	0.360	4.55%	20	
Toluene	0.4169	0.0050	0.400	0	104%	69	139	0.400	4.24%	20	
Ethylbenzene	0.4113	0.0050	0.400	0	103%	77	139	0.399	2.94%	20	
m,p-Xylene	0.8939	0.010	0.800	0	112%	74	147	0.892	0.215%	20	
o-Xylene	0.3773	0.0050	0.400	0	94.3%	62	147	0.366	2.99%	20	
1,4-Dichlorobenzene-d4	1.20	0.10	1.00	0	120%	80	120	1.20	0.284%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510151
Project: SP-150 Glendale 76 soil sampling

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCSG-14408** Batch ID: **14408** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/13/05 2:18:00 AM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013A** SeqNo: **538910**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	17.94	1.0	20.0	0	89.7%	64	150	0			

Sample ID **LCSDG-14408** Batch ID: **14408** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/13/05 2:49:00 AM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013A** SeqNo: **538911**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	18.59	1.0	20.0	0	93.0%	64	150	17.9	3.55%	20	

Sample ID **LCSG-14408A** Batch ID: **14408** Test Code: **GASS-MS** Units: **µg/g** Analysis Date **10/14/05 6:26:00 AM** Prep Date **10/12/05**
Client ID: Run ID: **ORGCMS2_051013B** SeqNo: **538977**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	15.80	1.0	20.0	0	79.0%	64	150	0			

Sample ID **LCS-14400** Batch ID: **14400** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/12/05 3:53:24 PM** Prep Date **10/12/05**
Client ID: Run ID: **ORGC7_051012A** SeqNo: **538420**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	10.88	1.0	10.0	0	109%	70	130	0			
TPHC Motor Oil	23.08	10	20.0	0	115%	70	130	0			

Sample ID **LCSD-14400** Batch ID: **14400** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/12/05 4:13:11 PM** Prep Date **10/12/05**
Client ID: Run ID: **ORGC7_051012A** SeqNo: **538421**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	10.86	1.0	10.0	0	109%	70	130	10.9	0.140%	15	
TPHC Motor Oil	23.51	10	20.0	0	118%	70	130	23.1	1.82%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510151
Project: SP-150 Glendale 76 soil sampling

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID **LCS-14425** Batch ID: **14425** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/15/05 1:04:50 AM** Prep Date **10/14/05**
Client ID: Run ID: **ORGC7_051015A** SeqNo: **540087**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	11.16	1.0	10.0	0	112%	70	130	0			
TPHC Motor Oil	23.21	10	20.0	0	116%	70	130	0			

Sample ID **LCSD-14425** Batch ID: **14425** Test Code: **TPHDMS** Units: **µg/g** Analysis Date **10/15/05 1:24:54 AM** Prep Date **10/14/05**
Client ID: Run ID: **ORGC7_051015A** SeqNo: **540088**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	11.46	1.0	10.0	0	115%	70	130	11.2	2.69%	15	
TPHC Motor Oil	23.57	10	20.0	0	118%	70	130	23.2	1.55%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

global ID: T0602300135

LABORATORY NUMBER: 0510151

Attention: GREG
Results & Invoice to: Soun Pacific
Address: PO Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to:
Sampler (Sign & Print):

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
email greg@soupacific.com
Final Report: FAX ☐ Verbal ☐ By: __/__/__

PROJECT INFORMATION
Project Number: SP-150
Project Name: Glendale 76 soil sampling
~~Purchase Order Number~~: Email Greg@soupacific.com

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: TPHg	BTEX	5 oxys	TPHd/mo	Pb
	PR-1	10-5-05		S	13		X	X	X	X	
	PR-2	"		"							
	PR-3										
	PR-4										
	PR-5										
	PR-6										
	PR-7										
	PR-8	↓		↓							

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
IF TPHd > 10K run Bio Assay
IF TPHg > 3K " "
Flatheads
run TOTal Pb on highest TPH sample
Cooler temp: 8.7°C

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Gaines / Jeff Gaines	10-7-05	Tina Hill	10/7/05 1357

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST
LABORATORIES LTD.

October 28, 2005

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-150, Glendale 76 Soil Sampling

Order No.: 0510497
Invoice No.: 53884
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	PR-2
02A	PR-6

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr.
Laboratory Director

5680 West End Road • Arcata California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 28-Oct-05
WorkOrder: 0510497

ANALYTICAL REPORT

Client Sample ID: PR-2 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510497-01A

Test Name: EPA 6010B **Reference:** EPA 6010B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Lead	18	10	µg/g	1.0	10/26/05	10/27/05

Client Sample ID: PR-6 **Received:** 10/7/05 **Collected:** 10/5/05 0:00
Lab ID: 0510497-02A

Test Name: EPA 6010B **Reference:** EPA 6010B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Lead	15	10	µg/g	1.0	10/26/05	10/27/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

North Coast Laboratories, Ltd.

Date: 28-Oct-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510497
Project: SP-150, Glendale 76 Soil Sampling

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-14517P** Batch ID: **14517** Test Code: **6ICPS** Units: **µg/g** Analysis Date: **10/27/05 2:09:00 PM** Prep Date: **10/26/05**

Client ID: Run ID: **INICP1_051027A** SeqNo: **542893**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	10									

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 28-Oct-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0510497
Project: SP-150, Glendale 76 Soil Sampling

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-14517P** Batch ID: **14517** Test Code: **6ICPS** Units: **µg/g** Analysis Date: **10/27/05 2:13:00 PM** Prep Date: **10/26/05**

Client ID: Run ID: **INICP1_051027A** SeqNo: **542894**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	102.8	10	100	0	103%	85	115	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

global ID: T0602300135

0510497

LABORATORY NUMBER: 0510497

Attention: GREG
Results & Invoice to: Soun Pacific
Address: Po Box 13
Kneeland, CA 95549
Phone: (707) 269-0884
Copies of Report to:
Sampler (Sign & Print): Greg Sanders

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: email greg@soundpacific.com
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: SP-150
Project Name: Glendale 76 soil sampling
Purchase Order Number: Email Greg @ soundpacific.com

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	TPHg	BTEX	5 Oxys	TPHd/mo	12b
	PR-1	10-5-05		S	13		X	X	X	X	
	PR-2	"		"	"		"	"	"	"	
	PR-3	"		"	"		"	"	"	"	
	PR-4	"		"	"		"	"	"	"	
	PR-5	"		"	"		"	"	"	"	
	PR-6	"		"	"		"	"	"	"	
	PR-7	"		"	"		"	"	"	"	
	PR-8	↓		↓	↓		↓	↓	↓	↓	

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

IF TPHd > 10K run Biogassay
IF TPHg > 3K " " "
Flatheads

run TOTal Pb on highest TPH sample

Cooler temp: 8.7°C

run both PR-2. PR-6 per Greg

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Jeff Gaines / Jeff Gaines	10-7-05	Zuma Hill	10/7/05 13:57

SAMPLE DISPOSAL rsm 10/4
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

basic laboratory

www.basiclab.com

voice 530.243.7234
fax 530.243.7494

2218 Railroad Avenue
Redding, California 96001

November 04, 2005

Lab ID: 5100644

Elisa King
SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
RE: GLENDALE 76 SP-150

Dear Elisa King,

Enclosed are the analysis results for Work Order number 5100644. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,

For

Ricky D. Jensen
Laboratory Director
California ELAP Certification Number 1677

basic
530.243.7234
530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-14 @ 8' Soil (5100644-01)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**4070**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**24.1**	R-07		12.5	"	"	"	"
Toluene	"	**433**	R-07		25.0	"	10/21/05	"	"
Ethylbenzene	"	**93.2**	R-07		12.5	"	10/21/05	"	"
Xylenes (total)	"	**536**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**114**	R-07		12.5	"	"	"	"
Di-isopropyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-amyl methyl ether	"	**17.9**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*70.0 %*	*R-07*	*39-128*		"	"	"	"
PB-14 @ 4' Soil (5100644-02)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**4740**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**26.9**	R-07		12.5	"	"	"	"
Toluene	"	**482**	R-07		25.0	"	10/21/05	"	"
Ethylbenzene	"	**106**	R-07		12.5	"	10/21/05	"	"
Xylenes (total)	"	**610**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**128**	R-07		12.5	"	"	"	"
Di-isopropyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-amyl methyl ether	"	**20.3**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*R-07*	*39-128*		"	"	"	"
PB-14 @ 12' Soil (5100644-03)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**2890**	R-07		75.0	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**17.7**	R-07		6.25	"	"	"	"
Toluene	"	**321**	R-07		25.0	"	"	"	"
Ethylbenzene	"	**68.5**	R-07		6.25	"	"	"	"
Xylenes (total)	"	**390**	R-07		6.25	"	"	"	"
Methyl tert-butyl ether	"	**81.8**	R-07		6.25	"	"	"	"
Di-isopropyl ether	"	ND	R-07		6.25	"	"	"	"
Tert-amyl methyl ether	"	**13.8**	R-07		6.25	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		6.25	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		62.5	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*77.5 %*	*R-07*	*39-128*		"	"	"	"
PB-15 @ 11' Soil (5100644-04)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**0.0905**			0.0600	EPA 8015/8260	10/21/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0075**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0171**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	**0.0526**			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.4 %*		*39-128*		"	"	"	"
PB-15 @ 8' Soil (5100644-05)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**1210**	R-07		60.0	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**7.49**	R-07		5.00	"	"	"	"
Toluene	"	**133**	R-07		5.00	"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic
530.243.7234
530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-15 @ 8' Soil (5100644-05)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Ethylbenzene	"	**28.6**	R-07		5.00	"	"	10/20/05	"
Xylenes (total)	"	**163**	R-07		5.00	"	"	"	"
Methyl tert-butyl ether	"	**39.2**	R-07		5.00	"	"	"	"
Di-isopropyl ether	"	ND	R-07		5.00	"	"	"	"
Tert-amyl methyl ether	"	**5.97**	R-07		5.00	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		5.00	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*R-07*	*39-128*		"	"	"	"
PB-15 @ 4' Soil (5100644-06)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**0.229**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0078**			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0118**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*78.6 %*		*39-128*		"	"	"	"
PB-16 @ 12' Soil (5100644-07)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**0.260**	Z-02		0.0600	EPA 8015/8260	10/21/05	10/21/05	B5J0447
Benzene	"	ND	Z-02		0.0050	"	"	"	"
Toluene	"	ND	Z-02		0.0050	"	"	"	"
Ethylbenzene	"	ND	Z-02		0.0050	"	"	"	"
Xylenes (total)	"	ND	Z-02		0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0678**	Z-02		0.0050	"	"	"	"
Di-isopropyl ether	"	ND	Z-02		0.0050	"	"	"	"
Tert-amyl methyl ether	"	**0.0119**	Z-02		0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND	Z-02		0.0050	"	"	"	"
Tert-butyl alcohol	"	ND	Z-02		0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.0 %*		*39-128*		"	"	"	"
PB-16 @ 8' Soil (5100644-08)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**2530**	R-07		120	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**14.6**	R-07		10.0	"	"	"	"
Toluene	"	**260**	R-07		10.0	"	"	"	"
Ethylbenzene	"	**56.5**	R-07		10.0	"	"	"	"
Xylenes (total)	"	**326**	R-07		10.0	"	"	"	"
Methyl tert-butyl ether	"	**70.1**	R-07		10.0	"	"	"	"
Di-isopropyl ether	"	ND	R-07		10.0	"	"	"	"
Tert-amyl methyl ether	"	**11.3**	R-07		10.0	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		10.0	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		100	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*128 %*	*R-07*	*39-128*		"	"	"	"
PB-16 @ 4' Soil (5100644-09)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**3960**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**23.2**	R-07		12.5	"	"	"	"
Toluene	"	**416**	R-07		25.0	"	10/25/05	"	"
Ethylbenzene	"	**92.4**	R-07		12.5	"	10/21/05	"	"
Xylenes (total)	"	**527**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**116**	R-07		12.5	"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic
Voice: 530.243.7234 2218 Railroad Avenue
Fax: 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-16 @ 4' Soil (5100644-09) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Di-isopropyl ether	"	ND	R-07		12.5	"	"	10/20/05	"
Tert-amyl methyl ether	"	**18.7**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*R-07*	*39-128*		"	"	"	"
PB-17 @ 11' Soil (5100644-10) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**0.387**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0103**			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0144**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.114**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	**0.0211**			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*89.0 %*		*39-128*		"	"	"	"
PB-17 @ 8' Soil (5100644-11) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**0.213**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0075**			0.0050	"	"	"	"
Ethylbenzene	"	**0.0055**			0.0050	"	"	"	"
Xylenes (total)	"	**0.0242**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*39-128*		"	"	"	"
PB-17 @ 4' Soil (5100644-12) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**0.0655**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0051**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0050	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*90.0 %*		*39-128*	0.0500	"	"	"	"
PB-18 @ 15' Soil (5100644-13) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**0.272**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0122**			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0146**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0383**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	**0.0061**			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic
530.243.7234 2218 Railroad Avenue
530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-18 @ 15' Soil (5100644-13) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Tert-butyl alcohol	"	**0.0539**			0.0500	"	"	10/20/05	"
Surrogate: 4-Bromofluorobenzene		*92.2 %*			*39-128*	"	"	"	"
PB-18 @ 11' Soil (5100644-14) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**508**			15.0	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**1.94**			1.25	"	"	"	"
Toluene	"	**51.6**			25.0	"	10/21/05	"	"
Ethylbenzene	"	**14.2**			1.25	"	10/21/05	"	"
Xylenes (total)	"	**85.8**			1.25	"	"	"	"
Methyl tert-butyl ether	"	**7.57**			1.25	"	"	"	"
Di-isopropyl ether	"	ND	R-07		1.25	"	"	"	"
Tert-amyl methyl ether	"	**1.61**			1.25	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		1.25	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		12.5	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*86.0 %*			*39-128*	"	"	"	"
PB-18 @ 8' Soil (5100644-15) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0063**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0074**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0050	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*88.8 %*			0.0500	"	"	"	"
PB-18 @ 4' Soil (5100644-16) Sampled:10/11/05 00:00 Received:10/19/05 15:47					*39-128*	"	"	"	"
Gasoline	mg/kg	**0.119**			0.0600	EPA 8015/8260	10/21/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0115**			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0090**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.0159**			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0050	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*80.8 %*			0.0500	"	"	"	"
PB-11 @ 12' Soil (5100644-18) Sampled:10/11/05 00:00 Received:10/19/05 15:47					*39-128*	"	"	"	"
Gasoline	mg/kg	**0.298**			0.0600	EPA 8015/8260	10/21/05	10/21/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	**0.293**	E, Z-01		0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	**0.0416**			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	**0.0672**			0.0050	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*91.6 %*			0.0500	"	"	"	"
					39-128	"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic
tel: 530.243.7234 2218 Railroad Avenue
fax: 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-11 @ 8' Soil (5100644-19)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**3890**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**22.1**	R-07		12.5	"	"	"	"
Toluene	"	**400**	R-07		25.0	"	10/25/05	"	"
Ethylbenzene	"	**88.1**	R-07		12.5	"	10/21/05	"	"
Xylenes (total)	"	**506**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**105**	R-07		12.5	"	"	"	"
Di-isopropyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-amyl methyl ether	"	**16.6**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*75.0 %*	*R-07*	*39-128*		"	"	"	"
PB-11 @ 4' Soil (5100644-20)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	ND			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	**0.0057**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*81.6 %*		*39-128*		"	"	"	"
PB-12 @ 12' Soil (5100644-22)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**3290**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**17.7**	R-07		12.5	"	"	"	"
Toluene	"	**325**	R-07		12.5	"	"	"	"
Ethylbenzene	"	**71.9**	R-07		12.5	"	"	"	"
Xylenes (total)	"	**413**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**84.3**	R-07		12.5	"	"	"	"
Di-isopropyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-amyl methyl ether	"	**13.5**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*R-07*	*39-128*		"	"	"	"
PB-12 @ 8' Soil (5100644-23)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**4430**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**25.9**	R-07		12.5	"	"	"	"
Toluene	"	**462**	R-07		25.0	"	10/25/05	"	"
Ethylbenzene	"	**98.3**	R-07		12.5	"	10/21/05	"	"
Xylenes (total)	"	**564**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**122**	R-07		12.5	"	"	"	"
Di-isopropyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-amyl methyl ether	"	**19.6**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*R-07*	*39-128*		"	"	"	"
PB-12 @ 4' Soil (5100644-24)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Gasoline	mg/kg	**0.0733**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	**0.0071**			0.0050	"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic
530.243.7234
530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-12 @ 4' Soil (5100644-24) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Ethylbenzene	"	ND			0.0050	"	"	10/20/05	"
Xylenes (total)	"	**0.0085**			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*78.0 %*		*39-128*		"	"	"	"
PB-13 @ 11' Soil (5100644-25) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**4490**	R-07		150	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**25.6**	R-07		12.5	"	"	"	"
Toluene	"	**449**	R-07		12.5	"	"	"	"
Ethylbenzene	"	**97.5**	R-07		12.5	"	"	"	"
Xylenes (total)	"	**559**	R-07		12.5	"	"	"	"
Methyl tert-butyl ether	"	**123**	R-07		12.5	"	"	"	"
Di-isopropyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-amyl methyl ether	"	**19.2**	R-07		12.5	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		12.5	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		125	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*R-07*	*39-128*		"	"	"	"
PB-13 @ 8' Soil (5100644-26) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**2490**	R-07		120	EPA 8015/8260	10/21/05	10/20/05	B5J0491
Benzene	"	**14.3**	R-07		10.0	"	"	"	"
Toluene	"	**259**	R-07		10.0	"	"	"	"
Ethylbenzene	"	**56.2**	R-07		10.0	"	"	"	"
Xylenes (total)	"	**320**	R-07		10.0	"	"	"	"
Methyl tert-butyl ether	"	**67.4**	R-07		10.0	"	"	"	"
Di-isopropyl ether	"	ND	R-07		10.0	"	"	"	"
Tert-amyl methyl ether	"	**11.1**	R-07		10.0	"	"	"	"
Ethyl tert-butyl ether	"	ND	R-07		10.0	"	"	"	"
Tert-butyl alcohol	"	ND	R-07		100	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*R-07*	*39-128*		"	"	"	"
PB-13 @ 4' Soil (5100644-27) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	mg/kg	**0.163**			0.0600	EPA 8015/8260	10/20/05	10/20/05	B5J0447
Benzene	"	ND			0.0050	"	"	"	"
Toluene	"	ND			0.0050	"	"	"	"
Ethylbenzene	"	ND			0.0050	"	"	"	"
Xylenes (total)	"	ND			0.0050	"	"	"	"
Methyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Di-isopropyl ether	"	ND			0.0050	"	"	"	"
Tert-amyl methyl ether	"	ND			0.0050	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.0050	"	"	"	"
Tert-butyl alcohol	"	ND			0.0500	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*84.8 %*		*39-128*		"	"	"	"

Approved By

Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-14 @ 8' Soil (5100644-01) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/25/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*110 %*		*50-150*		"	"	"	"
PB-14 @ 4' Soil (5100644-02) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/25/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
PB-14 @ 12' Soil (5100644-03) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/25/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*98.2 %*		*50-150*		"	"	"	"
PB-15 @ 11' Soil (5100644-04) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/25/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*108 %*		*50-150*		"	"	"	"
PB-15 @ 8' Soil (5100644-05) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/25/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*91.9 %*		*50-150*		"	"	"	"
PB-15 @ 4' Soil (5100644-06) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
PB-16 @ 12' Soil (5100644-07) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/25/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*88.6 %*		*50-150*		"	"	"	"
PB-16 @ 8' Soil (5100644-08) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*94.9 %*		*50-150*		"	"	"	"
PB-16 @ 4' Soil (5100644-09) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*101 %*		*50-150*		"	"	"	"
PB-17 @ 11' Soil (5100644-10) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
PB-17 @ 8' Soil (5100644-11) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*109 %*		*50-150*		"	"	"	"
PB-17 @ 4' Soil (5100644-12) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*104 %*		*50-150*		"	"	"	"
PB-18 @ 15' Soil (5100644-13) Sampled:10/11/05 00:00 Received:10/19/05 15:47									

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-18 @ 15' Soil (5100644-13) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*86.8 %*		*50-150*		"	"	"	"
PB-18 @ 11' Soil (5100644-14) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/27/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*97.6 %*		*50-150*		"	"	"	"
PB-18 @ 8' Soil (5100644-15) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/28/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*105 %*		*50-150*		"	"	"	"
PB-18 @ 4' Soil (5100644-16) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/28/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*106 %*		*50-150*		"	"	"	"
PB-11 @ 12' Soil (5100644-18) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/28/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*93.1 %*		*50-150*		"	"	"	"
PB-11 @ 8' Soil (5100644-19) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/28/05	10/21/05	B5J0450
Motor Oil	"	**37**	D-11		10	"	"	"	"
Surrogate: Octacosane		*97.0 %*		*50-150*		"	"	"	"
PB-11 @ 4' Soil (5100644-20) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/28/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*99.7 %*		*50-150*		"	"	"	"
PB-12 @ 12' Soil (5100644-22) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	10/28/05	10/21/05	B5J0450
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*107 %*		*50-150*		"	"	"	"
PB-12 @ 8' Soil (5100644-23) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	11/02/05	10/24/05	B5J0495
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*103 %*		*50-150*		"	"	"	"
PB-12 @ 4' Soil (5100644-24) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	11/02/05	10/24/05	B5J0495
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*90.7 %*		*50-150*		"	"	"	"
PB-13 @ 11' Soil (5100644-25) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	11/02/05	10/24/05	B5J0495
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*94.6 %*		*50-150*		"	"	"	"
PB-13 @ 8' Soil (5100644-26) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	mg/kg	ND			10	EPA 8015 MOD	11/02/05	10/24/05	B5J0495
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*102 %*		*50-150*		"	"	"	"
PB-13 @ 4' Soil (5100644-27) Sampled:10/11/05 00:00 Received:10/19/05 15:47									

Approved By

Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 2218 Railroad Avenue
fax 530.243.7494 Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil - Solid

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-13 @ 4' Soil (5100644-27)	**Sampled:10/11/05 00:00**		**Received:10/19/05 15:47**						
Diesel	mg/kg	ND			10	EPA 8015 MOD	11/02/05	10/24/05	B5J0495
Motor Oil	"	ND			10	"	"	"	"
Surrogate: Octacosane		*99.1 %*		*50-150*		"	"	"	"

Notes and Definitions

Z-02	The original analysis for this sample using the 5035 vial exceeded the calibration range. Methanol extract results were just below the Reporting Limit, so the sample was re-prepared using the extra soil received in a jar, and this data is being reported.
Z-01	The original MTBE result was above the calibration range. The sample was reanalyzed as a Methanol extract. However, since the extract dilution starts at 200x, the MTBE was below the reporting limit. The original result is reported as an estimated value.
R-07	The sample was diluted due to the presence of high levels of target analytes resulting in elevated reporting limits.
QR-02	The RPD result for the MS/MSD exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
I-03	Sample was received past the EPA recommended holding time.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
D-11	Results in the motor oil range are primarily due to overlap from higher hydrocarbons.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the detection limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RL/ML	Minimum Level of Quantitation
MCL/AL	Maxium Contaminant Level/Action Level
mg/kg	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Ave., Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494

LAB #: 5100644

CLIENT NAME: Soun Pacific

PROJECT NAME: Glendale 76

PROJECT #: SP-150

SAMPLE TYPE: Soil

ADDRESS: PO Box 13
Knoeland, CA 95549

REQUESTED COMP. DATE: Standard 11/3/05

STATE FORMS? ☐

OF SAMPLES: 10 of ~~28~~ 27

TURN AROUND TIME: STD ☒ RUSH ☐

PAGE 2 OF 2

PROJECT MANAGER: Elisa Kilo

email: Elisa@SounPacific.com

PHONE: 707-209-0884 FAX: 707-209-0889 E-MAIL: on file

INVOICE TO: Soun Pacific PO#:

SPECIAL MAIL ☐ E-MAIL ☒ FAX ☐ EDT ☒

ANALYSIS REQUESTED

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	TPHg, TPHd, TPHmo	BTXE	5 oxys	REP:	ID#:	SYSTEM#:	GLOBAL ID #:	QC = 1 2 3 4	LAB ID	REMARKS
10-11-05				X	PB-11 @ 12'	4	X	X	X						18	Also Email to Soun Pacific @ Stantec.net and Elisa @ Soun Pacific.com
				X	PB-11 @ 8'	4									19	
				X	PB-11 @ 4'	4									20	
		X			PB-11 @ 14.6	5									21	
				X	PB-12 @ 12'	4									22	
				X	PB-12 @ 8'	4									23	
				X	PB-12 @ 4'	4									24	
				X	PB-13 @ 11'	4									25	
				X	PB-13 @ 8'	4									26	
↓				X	PB-13 @ 4'	4	↓	↓	↓						27	

PRESERVED WITH: HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ NaThio ☐ OTHER

SAMPLED BY: Elisa Kilo / Jeff	DATE/TIME: 10-11-05	RELINQUISHED BY: Elisa Kilo	DATE/TIME: 10-11-05
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME: 10/17/05
RECEIVED BY: (SAMPLES UNVERIFIED)	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: (VERIFIED)	DATE/TIME: 10/19/05 15:47	SAMPLES SHIPPED VIA: UPS FEDEX POST BUS OTHER	

INSTRUCTIONS, TERMS AND CONDITIONS ON BACK.

Appendix C

basic laboratory

www.basiclab.com

voice 530.243.7234
fax 530.243.7494

2218 Railroad Avenue
Redding, California 96001

November 04, 2005

Lab ID: 5100644

Elisa King
SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
RE: GLENDALE 76 SP-150

Dear Elisa King,

Enclosed are the analysis results for Work Order number 5100644. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,

For

Ricky D. Jensen
Laboratory Director
California ELAP Certification Number 1677

basic laboratory
530.243.7234
530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-18 @ 14.8' Water (5100644-17) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	10/19/05	10/19/05	B5J0411
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	**5.7**			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	**1.0**			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*88.4 %*		*43-155*		"	"	"	"
PB-11 @ 14.6' Water (5100644-21) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Gasoline	ug/l	ND			50.0	EPA 8015/8260	10/20/05	10/19/05	B5J0411
Benzene	"	ND			0.5	"	"	"	"
Toluene	"	ND			0.5	"	"	"	"
Ethylbenzene	"	ND			0.5	"	"	"	"
Xylenes (total)	"	ND			1.0	"	"	"	"
Methyl tert-butyl ether	"	**21.2**			1.0	"	"	"	"
Di-isopropyl ether	"	ND			0.5	"	"	"	"
Tert-amyl methyl ether	"	**3.4**			0.5	"	"	"	"
Ethyl tert-butyl ether	"	ND			0.5	"	"	"	"
Tert-butyl alcohol	"	ND			50.0	"	"	"	"
Surrogate: 4-Bromofluorobenzene		*87.4 %*		*43-155*		"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

basic laboratory
www.basiclab.com
voice 530.243.7234 fax 530.243.7494
2218 Railroad Avenue
Redding, California 96001

Report To: SOUNPACIFIC
4612 GREENWOOD HEIGHTS DR
KNEELAND, CA 95549
Attention: Elisa King
Project: GLENDALE 76 SP-150

Lab No: 5100644
Reported: 11/04/05
Phone: 707-269-0884
P.O. #

TPH Diesel & Motor Oil

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
PB-18 @ 14.8' Water (5100644-17) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	ug/l	ND	I-03, QR-02		59	EPA 8015 MOD	10/25/05	10/20/05	B5J0431
Motor Oil	"	**79**	I-03, QR-02		59	"	"	"	"
Surrogate: Octacosane		*97.5 %*	*I-03*	*50-150*		"	"	"	"
PB-11 @ 14.6' Water (5100644-21) Sampled:10/11/05 00:00 Received:10/19/05 15:47									
Diesel	ug/l	**105**	I-03, QR-02		59	EPA 8015 MOD	10/25/05	10/20/05	B5J0431
Motor Oil	"	**92**	I-03, QR-02		59	"	"	"	"
Surrogate: Octacosane		*98.3 %*	*I-03*	*50-150*		"	"	"	"

Approved By
Basic Laboratory, Inc.
California D.O.H.S. Cert #1677

Appendix D

NORTH COAST
LABORATORIES LTD.

December 09, 2005

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-150, Glendale 76 Conformation

Order No.: 0511491
Invoice No.: 54874
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	SW-1 @ 5'
02A	SW-2 @ 5'
03A	SW-3 @ 5'
04A	SW-4 @ 5'
05A	SW-5 @ 5'
06A	SW-6 @ 5'
07A	SW-7 @ 5'
08A	PB-1 @ 10'

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr.
Laboratory Director

North Coast Laboratories, Ltd. **Date:** *09-Dec-05*

CLIENT: SounPacific / Sounhein Environmental
Project: SP-150, Glendale 76 Conformation
Lab Order: 0511491

CASE NARRATIVE

TPH as Diesel/Motor Oil:
Samples SW-5 @ 5' and SW-6 @ 5' contain material similar to degraded or weathered diesel oil.

The laboratory control sample duplicate (LCSD) recovery was above the upper acceptance limit for diesel. The laboratory control sample (LCS) recovery was within the acceptance limits; therefore, the data were accepted.

Gasoline Components/Additives:
Sample SW-6 @ 5' does not present a peak pattern consistent with that of gasoline. The reported result represents the amount of material in the gasoline range.

Toluene was present in the method blank at a concentration that was above the reporting limit. The reporting limit for toluene was raised due to the contamination.

The LCS/LCSD recoveries were above the upper acceptance limit for the surrogate. All of the analyte recoveries were within the acceptance limits; therefore, the data were accepted.

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 09-Dec-05

WorkOrder: 0511491

ANALYTICAL REPORT

Client Sample ID: SW-1 @ 5'

Received: 11/16/05 **Collected:** 11/11/05 0:00

Lab ID: 0511491-01A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	0.26	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	99.6	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	11/25/05	12/8/05
TPHC Motor Oil	ND	10	µg/g	1.0	11/25/05	12/8/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

Client Sample ID: SW-2 @ 5'

Received: 11/16/05 **Collected:** 11/11/05 0:00

Lab ID: 0511491-02A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	ND	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	103	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	11/25/05	12/8/05
TPHC Motor Oil	ND	10	µg/g	1.0	11/25/05	12/8/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

Client Sample ID: SW-3 @ 5' **Received:** 11/16/05 **Collected:** 11/11/05 0:00

Lab ID: 0511491-03A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	0.32	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	99.4	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	11/25/05	12/8/05
TPHC Motor Oil	ND	10	µg/g	1.0	11/25/05	12/8/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 09-Dec-05
WorkOrder: 0511491

ANALYTICAL REPORT

Client Sample ID: SW-4 @ 5'
Received: 11/16/05 **Collected:** 11/11/05 0:00
Lab ID: 0511491-04A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	0.33	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	102	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	11/25/05	12/8/05
TPHC Motor Oil	ND	10	µg/g	1.0	11/25/05	12/8/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

Client Sample ID: SW-5 @ 5'
Received: 11/16/05 **Collected:** 11/11/05 0:00
Lab ID: 0511491-05A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	0.072	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	109	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

TPHC Diesel (C12-C22)	1.7	1.0	µg/g	1.0	11/25/05	12/9/05
TPHC Motor Oil	13	10	µg/g	1.0	11/25/05	12/9/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

Client Sample ID: SW-6 @ 5' **Received:** 11/16/05 **Collected:** 11/11/05 0:00

Lab ID: 0511491-06A

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	0.39	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	0.0052	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	113	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	1.3	1.0	µg/g	1.0	11/25/05	12/9/05
TPHC Motor Oil	14	10	µg/g	1.0	11/25/05	12/9/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1.8	1.0	µg/g	1.0	11/23/05	11/23/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 09-Dec-05
WorkOrder: 0511491

ANALYTICAL REPORT

Client Sample ID: SW-7 @ 5'
Lab ID: 0511491-07A
Received: 11/16/05 **Collected:** 11/11/05 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	0.37	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	99.0	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	11/25/05	12/9/05
TPHC Motor Oil	ND	10	µg/g	1.0	11/25/05	12/9/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

Client Sample ID: PB-1 @ 10'
Lab ID: 0511491-08A
Received: 11/16/05 **Collected:** 11/11/05 0:00

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	0.025	µg/g	1.0	11/23/05	11/23/05
Tert-butyl alcohol (TBA)	ND	0.50	µg/g	1.0	11/23/05	11/23/05
Di-isopropyl ether (DIPE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Ethyl tert-butyl ether (ETBE)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Benzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Tert-amyl methyl ether (TAME)	ND	0.020	µg/g	1.0	11/23/05	11/23/05
Toluene	ND	0.013	µg/g	1.0	11/23/05	11/23/05
Ethylbenzene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
m,p-Xylene	ND	0.010	µg/g	1.0	11/23/05	11/23/05
o-Xylene	ND	0.0050	µg/g	1.0	11/23/05	11/23/05
Surrogate: 1,4-Dichlorobenzene-d4	101	80-120	% Rec	1.0	11/23/05	11/23/05

Test Name: TPH as Diesel/Motor Oil **Reference:** EPA 3550/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 09-Dec-05

ANALYTICAL REPORT

WorkOrder: 0511491

TPHC Diesel (C12-C22)	ND	1.0	µg/g	1.0	11/25/05	12/9/05
TPHC Motor Oil	ND	10	µg/g	1.0	11/25/05	12/9/05

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	1.0	µg/g	1.0	11/23/05	11/23/05

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

North Coast Laboratories, Ltd.

Date: 09-Dec-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0511491
Project: SP-150, Glendale 76 Conformation

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-14719** Batch ID: **14719** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **11/23/05 5:10:00 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGCMS2_051123B** SeqNo: **550506**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.025									
Tert-butyl alcohol (TBA)	ND	0.50									
Di-isopropyl ether (DIPE)	ND	0.020									
Ethyl tert-butyl ether (ETBE)	ND	0.020									
Benzene	ND	0.0050									
Tert-amyl methyl ether (TAME)	ND	0.020									
Toluene	0.006519	0.013									J
Ethylbenzene	0.002829	0.0050									J
m,p-Xylene	ND	0.010									
o-Xylene	0.002245	0.0050									J
1,4-Dichlorobenzene-d4	0.984	0.10	1.00	0	98.4%	80	120	0			

Sample ID: **MB-14719** Batch ID: **14719** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **11/23/05 5:10:00 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGCMS2_051123A** SeqNo: **550490**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	ND	1.0									

Sample ID: **MB-14730** Batch ID: **14730** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **12/8/05 10:22:53 PM** Prep Date: **11/25/05**
Client ID: Run ID: **ORGC7_051208A** SeqNo: **553908**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	0.7217	1.0									J
TPHC Motor Oil	ND	10									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 09-Dec-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0511491
Project: SP-150, Glendale 76 Conformation

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-14719** Batch ID: **14719** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **11/23/05 2:10:00 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGCMS2_051123B** SeqNo: **550504**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.4022	0.025	0.400	0	101%	86	137	0			
Tert-butyl alcohol (TBA)	8.134	0.50	8.00	0	102%	43	185	0			
Di-isopropyl ether (DIPE)	0.3997	0.020	0.400	0	99.9%	80	137	0			
Ethyl tert-butyl ether (ETBE)	0.3608	0.020	0.400	0	90.2%	81	133	0			
Benzene	0.4313	0.0050	0.400	0	108%	74	137	0			
Tert-amyl methyl ether (TAME)	0.3618	0.020	0.400	0	90.4%	81	135	0			
Toluene	0.4154	0.013	0.400	0	104%	69	139	0			
Ethylbenzene	0.3924	0.0050	0.400	0	98.1%	77	139	0			
m,p-Xylene	0.8691	0.010	0.800	0	109%	74	147	0			
o-Xylene	0.3771	0.0050	0.400	0	94.3%	62	147	0			
1,4-Dichlorobenzene-d4	1.26	0.10	1.00	0	126%	80	120	0			S

Sample ID: **LCSD-14719** Batch ID: **14719** Test Code: **8260OXYS** Units: **µg/g** Analysis Date: **11/23/05 2:40:00 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGCMS2_051123B** SeqNo: **550505**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.4293	0.025	0.400	0	107%	86	137	0.402	6.51%	20	
Tert-butyl alcohol (TBA)	8.657	0.50	8.00	0	108%	43	185	8.13	6.23%	20	
Di-isopropyl ether (DIPE)	0.4225	0.020	0.400	0	106%	80	137	0.400	5.55%	20	
Ethyl tert-butyl ether (ETBE)	0.3925	0.020	0.400	0	98.1%	81	133	0.361	8.42%	20	
Benzene	0.4550	0.0050	0.400	0	114%	74	137	0.431	5.35%	20	
Tert-amyl methyl ether (TAME)	0.3904	0.020	0.400	0	97.6%	81	135	0.362	7.60%	20	
Toluene	0.4448	0.013	0.400	0	111%	69	139	0.415	6.85%	20	
Ethylbenzene	0.4287	0.0050	0.400	0	107%	77	139	0.392	8.84%	20	
m,p-Xylene	0.9505	0.010	0.800	0	119%	74	147	0.869	8.94%	20	
o-Xylene	0.4106	0.0050	0.400	0	103%	62	147	0.377	8.50%	20	
1,4-Dichlorobenzene-d4	1.26	0.10	1.00	0	126%	80	120	1.26	0.0890%	15	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0511491
Project: SP-150, Glendale 76 Conformation

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCSG-14719** Batch ID: **14719** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **11/23/05 3:40:00 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGCMS2_051123A** SeqNo: **550488**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	22.63	1.0	20.0	0	113%	64	150	0			

Sample ID: **LCSDG-14719** Batch ID: **14719** Test Code: **GASS-MS** Units: **µg/g** Analysis Date: **11/23/05 4:10:00 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGCMS2_051123A** SeqNo: **550489**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	23.15	1.0	20.0	0	116%	64	150	22.6	2.30%	20	

Sample ID: **LCS-14730** Batch ID: **14730** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **12/8/05 8:21:44 PM** Prep Date: **11/25/05**
Client ID: Run ID: **ORGC7_051208A** SeqNo: **553905**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	13.00	1.0	10.0	0	130%	70	130	0			
TPHC Motor Oil	22.85	10	20.0	0	114%	70	130	0			

Sample ID: **LCSD-14730** Batch ID: **14730** Test Code: **TPHDMS** Units: **µg/g** Analysis Date: **12/8/05 8:41:58 PM** Prep Date: **11/25/05**
Client ID: Run ID: **ORGC7_051208A** SeqNo: **553906**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Diesel (C12-C22)	13.26	1.0	10.0	0	133%	70	130	13.0	2.00%	15	S
TPHC Motor Oil	23.26	10	20.0	0	116%	70	130	22.8	1.79%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

Excavation Conformation samples

LABORATORY NUMBER: 0511491

Attention: Grey Sounhein
Results & Invoice to: Soun Pacific
Address: P.O. Box 13
Kneeland, CA
Phone: (707) 269-0884
Copies of Report to: grey@sounpacific.com
elisa@sounpacific.com
Sampler (Sign & Print): Marty Lassen Marty Lassen

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other: _____
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By: __/__/__
Final Report: FAX ☐ Verbal ☐ By: __/__/__

PROJECT INFORMATION
Project Number: SP-150
Project Name: Glendale 76 Conformation
Purchase Order Number: _____

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS: TPH, BTEX, SOG's 13	ANALYSIS: TPHd/mo
	SW-1 @ 5'	11-11-05		S			X	X
	SW-2 @ 5'	↓		↓			↓	↓
	SW-3 @ 5'							
	SW-4 @ 5'							
	SW-5 @ 5'							
	SW-6 @ 5'							
	SW-7 @ 5'	↓		↓				
	PB-1 @ 10'	↓		↓				

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
Cold, intact

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Marty Lassen	11/16/05	[signature]	11/16/05 1610

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

NORTH COAST
LABORATORIES LTD.

November 30, 2005

SounPacific / Sounhein Environmental
P.O. Box 13
Kneeland, CA 95549

Attn: Greg Sounhein

RE: SP-150, Glendale 76 Disposal

Order No.: 0511490
Invoice No.: 54589
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	TR-2
02A	TR-4
03A	TR-6
04A	TR-8
05A	TR-10
06A	TR-12

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr.
Laboratory Director

5680 West End Road • Arcata California 95521-9202 • 707-822-4649 • FAX 707-822-6831

CASE NARRATIVE

TPH as Gasoline:
All of the samples appear to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.

All of the samples were originally extracted and analyzed within the 14 day holding time. Due to necessary dilutions, the samples were re-analyzed past the holding time.

BTEX
Suggest the confirmation of the positive MTBE results for all of the samples by GC/MS.

All of the samples were originally extracted and analyzed within the 14 day holding time. Due to necessary dilutions, all of the samples (with the exception of some analytes for sample TR-8) were re-analyzed past the holding time.

NORTH COAST LABORATORIES
5680 West End Road • Arcata, California 95521-9202 • 707-822-4649 • FAX 707-822-6831

Date: 30-Nov-05
WorkOrder: 0511490

ANALYTICAL REPORT

Client Sample ID: TR-2 **Received:** 11/16/05 **Collected:** 11/9/05 0:00
Lab ID: 0511490-01A

Test Name: BTEX **Reference:** EPA 5035/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	390	100	µg/g	2,000	11/23/05	11/29/05
Benzene	5.5	1.0	µg/g	200	11/23/05	11/24/05
Toluene	140	10	µg/g	2,000	11/23/05	11/29/05
Ethylbenzene	25	1.0	µg/g	200	11/23/05	11/24/05
m,p-Xylene	120	10	µg/g	2,000	11/23/05	11/29/05
o-Xylene	56	10	µg/g	2,000	11/23/05	11/29/05
Surrogate: Cis-1,2-Dichloroethylene	117	71.8-135	% Rec	200	11/23/05	11/24/05

Test Name: TPH as Gasoline **Reference:** EPA 5035/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	1,800	200	µg/g	200	11/23/05	11/24/05

Client Sample ID: TR-4 **Received:** 11/16/05 **Collected:** 11/9/05 0:00
Lab ID: 0511490-02A

Test Name: BTEX **Reference:** EPA 5035/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	520	100	µg/g	2,000	11/23/05	11/29/05
Benzene	28	10	µg/g	2,000	11/23/05	11/29/05
Toluene	840	50	µg/g	10,000	11/23/05	11/29/05
Ethylbenzene	220	10	µg/g	2,000	11/23/05	11/29/05
m,p-Xylene	800	50	µg/g	10,000	11/23/05	11/29/05
o-Xylene	340	10	µg/g	2,000	11/23/05	11/29/05
Surrogate: Cis-1,2-Dichloroethylene	111	71.8-135	% Rec	10,000	11/23/05	11/29/05

Test Name: TPH as Gasoline **Reference:** EPA 5035/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	11,000	2,000	µg/g	2,000	11/23/05	11/29/05

Date: 30-Nov-05
WorkOrder: 0511490

ANALYTICAL REPORT

Client Sample ID: TR-6 **Received:** 11/16/05 **Collected:** 11/9/05 0:00
Lab ID: 0511490-03A

Test Name: BTEX **Reference:** EPA 5035/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	250	100	µg/g	2,000	11/23/05	11/29/05
Benzene	21	10	µg/g	2,000	11/23/05	11/29/05
Toluene	560	50	µg/g	10,000	11/23/05	11/29/05
Ethylbenzene	140	10	µg/g	2,000	11/23/05	11/29/05
m,p-Xylene	550	10	µg/g	2,000	11/23/05	11/29/05
o-Xylene	230	10	µg/g	2,000	11/23/05	11/29/05
Surrogate: Cis-1,2-Dichloroethylene	106	71.8-135	% Rec	2,000	11/23/05	11/29/05

Test Name: TPH as Gasoline **Reference:** EPA 5035/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	7,700	200	µg/g	200	11/23/05	11/24/05

Client Sample ID: TR-8 **Received:** 11/16/05 **Collected:** 11/10/05 0:00
Lab ID: 0511490-04A

Test Name: BTEX **Reference:** EPA 5035/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	140	10	µg/g	200	11/23/05	11/24/05
Benzene	7.1	1.0	µg/g	200	11/23/05	11/24/05
Toluene	250	10	µg/g	2,000	11/23/05	11/29/05
Ethylbenzene	77	10	µg/g	2,000	11/23/05	11/29/05
m,p-Xylene	330	10	µg/g	2,000	11/23/05	11/29/05
o-Xylene	140	10	µg/g	2,000	11/23/05	11/29/05
Surrogate: Cis-1,2-Dichloroethylene	111	71.8-135	% Rec	200	11/23/05	11/24/05

Test Name: TPH as Gasoline **Reference:** EPA 5035/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	4,900	200	µg/g	200	11/23/05	11/24/05

Date: 30-Nov-05
WorkOrder: 0511490

ANALYTICAL REPORT

Client Sample ID: TR-10 **Received:** 11/16/05 **Collected:** 11/10/05 0:00
Lab ID: 0511490-05A

Test Name: BTEX **Reference:** EPA 5035/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	380	100	µg/g	2,000	11/23/05	11/29/05
Benzene	23	10	µg/g	2,000	11/23/05	11/29/05
Toluene	640	50	µg/g	10,000	11/23/05	11/29/05
Ethylbenzene	160	10	µg/g	2,000	11/23/05	11/29/05
m,p-Xylene	630	10	µg/g	2,000	11/23/05	11/29/05
o-Xylene	260	10	µg/g	2,000	11/23/05	11/29/05
Surrogate: Cis-1,2-Dichloroethylene	116	71.8-135	% Rec	2,000	11/23/05	11/29/05

Test Name: TPH as Gasoline **Reference:** EPA 5035/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	8,700	2,000	µg/g	2,000	11/23/05	11/29/05

Client Sample ID: TR-12 **Received:** 11/16/05 **Collected:** 11/10/05 0:00
Lab ID: 0511490-06A

Test Name: BTEX **Reference:** EPA 5035/EPA 8021B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
MTBE	280	100	µg/g	2,000	11/23/05	11/29/05
Benzene	19	10	µg/g	2,000	11/23/05	11/29/05
Toluene	540	50	µg/g	10,000	11/23/05	11/29/05
Ethylbenzene	140	10	µg/g	2,000	11/23/05	11/29/05
m,p-Xylene	570	10	µg/g	2,000	11/23/05	11/29/05
o-Xylene	240	10	µg/g	2,000	11/23/05	11/29/05
Surrogate: Cis-1,2-Dichloroethylene	107	71.8-135	% Rec	2,000	11/23/05	11/29/05

Test Name: TPH as Gasoline **Reference:** EPA 5035/GCFID(LUFT)/EPA 8015B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gas (C6-C14)	8,200	2,000	µg/g	2,000	11/23/05	11/29/05

North Coast Laboratories, Ltd.

Date: 30-Nov-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0511490
Project: SP-150, Glendale 76 Disposal

QC SUMMARY REPORT
Method Blank

Sample ID: **MB-14722** Batch ID: **14722** Test Code: **BTXES** Units: **µg/g** Analysis Date: **11/23/05 5:11:01 PM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGC8_051123B** SeqNo: **550588**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	0.050									
Benzene	ND	0.0050									
Toluene	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.0050									
o-Xylene	ND	0.0050									
Cis-1,2-Dichloroethylene	0.959	0.10	1.00	0	95.9%	72	135	0			

Sample ID: **MB-14722** Batch ID: **14722** Test Code: **TPHCGS** Units: **µg/g** Analysis Date: **11/23/05 5:11:01 PM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGC8_051123A** SeqNo: **550559**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	0.5001	1.0									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 30-Nov-05

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0511490
Project: SP-150, Glendale 76 Disposal

QC SUMMARY REPORT
Laboratory Control Spike

Sample ID: **LCS-14722** Batch ID: **14722** Test Code: **BTXES** Units: **µg/g** Analysis Date: **11/24/05 1:44:38 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGC8_051123B** SeqNo: **550595**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	0.3736	0.050	0.400	0	93.4%	75	124	0			
Benzene	0.04881	0.0050	0.0500	0	97.6%	80	128	0			
Toluene	0.06283	0.0050	0.0500	0	126%	85	126	0			
Ethylbenzene	0.05296	0.0050	0.0500	0	106%	80	126	0			
m,p-Xylene	0.1058	0.0050	0.100	0	106%	84	130	0			
o-Xylene	0.05245	0.0050	0.0500	0	105%	84	125	0			
Cis-1,2-Dichloroethylene	0.994	0.10	1.00	0	99.4%	72	135	0			

Sample ID: **LCSD-14722** Batch ID: **14722** Test Code: **BTXES** Units: **µg/g** Analysis Date: **11/24/05 2:18:47 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGC8_051123B** SeqNo: **550596**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	0.3686	0.050	0.400	0	92.1%	75	124	0.374	1.36%	15	
Benzene	0.04833	0.0050	0.0500	0	96.7%	80	128	0.0488	0.985%	15	
Toluene	0.06070	0.0050	0.0500	0	121%	85	126	0.0628	3.45%	15	
Ethylbenzene	0.05186	0.0050	0.0500	0	104%	80	126	0.0530	2.10%	15	
m,p-Xylene	0.1009	0.0050	0.100	0	101%	84	130	0.106	4.74%	15	
o-Xylene	0.04922	0.0050	0.0500	0	98.4%	84	125	0.0524	6.35%	15	
Cis-1,2-Dichloroethylene	1.04	0.10	1.00	0	104%	72	135	0.994	4.96%	15	

Sample ID: **LCS-14722-G** Batch ID: **14722** Test Code: **TPHCGS** Units: **µg/g** Analysis Date: **11/24/05 2:52:57 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGC8_051123A** SeqNo: **550566**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	11.95	1.0	10.0	0	120%	102	128	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SounPacific / Sounhein Environmental
Work Order: 0511490
Project: SP-150, Glendale 76 Disposal

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-14722-G** Batch ID: **14722** Test Code: **TPHCGS** Units: **µg/g** Analysis Date: **11/24/05 3:27:06 AM** Prep Date: **11/23/05**
Client ID: Run ID: **ORGC8_051123A** SeqNo: **550567**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gas (C6-C14)	12.00	1.0	10.0	0	120%	102	128	12.0	0.388%	15	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.
5680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831

Chain of Custody

LABORATORY NUMBER: 0511490

Attention: Greg Sounhein
Results & Invoice to: Soun Pacific
Address: P.O. Box 13
Kneeland, CA
Phone: (707) 261-0884
Copies of Report to: greg@saunpacific.com
elisa@saunpacific.com
Sampler (Sign & Print): Marty Larsen

PROJECT INFORMATION
Project Number: SP-150
Project Name: Glendale 76 soil Disposal
Purchase Order Number:

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	CONTAINER	PRESERVATIVE	ANALYSIS
	TR-2	11/9/05		S	13	4°C	TPHg, BTXE, MTBE
	TR-4	↓		↓	↓	↓	↓
	TR-6	↓		↓	↓	↓	↓
	TR-8	11/10/05		↓	↓	↓	↓
	TR-10	↓		↓	↓	↓	↓
	TR-12	↓		↓	↓	↓	↓

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☒ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☐ Verbal ☐ By:__/__/__
Final Report: FAX ☐ Verbal ☐ By:__/__/__

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

Cold intact

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Marty Larsen	11/10/05 1610	K. Thomas	11/10/05 1610

SAMPLE DISPOSAL
☐ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

Appendix E

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighted, measured or counted by a weighmaster, whose signature is on the certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR: Glendale 76
Glendale, CA

DATE: 11/11/2005

JOB: T-1102-05

COMMODITY: Contaminated Soil Disposal

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	33	22E	78720	32580	46140	23.07
2	Ben's	43	23E	79380	32980	46400	23.20
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Tonnage Total 46.27

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighted, measured or counted by a weighmaster, whose signature is on the certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR: Glendale 76
Glendale, CA

DATE: 11/10/2005

JOB: T-1102-05

COMMODITY: Contaminated Soil Disposal

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	43	23E	79460	33020	46440	23.22
2	Ben's	33	22E	80520	32360	48160	24.08
3	Ben's	38	25E	79080	33080	46000	23.00
4	Ben's	32	26E	82440	33440	49000	24.50
5	Ben's	48	48P	79400	31260	48140	24.07
6	Ben's	21	21P	81560	28520	53040	26.52
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Tonnage Total 145.39

WEIGHMASTER:

BIO INDUSTRIES, INC.

19760 Callahan Road Red Bluff, CA

P.O. Box 732, Red Bluff, CA 96080 - 530/527-5040 - Fax 530/527-9170

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighted, measured or counted by a weighmaster, whose signature is on the certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GENERATOR: Glendale 76
Glendale, CA

DATE: 11/09/2005

JOB: T-1102-05

COMMODITY: Contaminated Soil Disposal

	CARRIER NAME	TRUCK NO	TRAILER NO	GROSS LBS	TARE LBS	NET LBS	NET TONS
1	Ben's	22	24E	81100	33360	47740	23.87
2	Ben's	43	23E	80860	33260	47600	23.80
3	Ben's	33	22E	79180	32460	46720	23.36
4	Ben's	38	25E	81260	33060	48200	24.10
5	Ben's	32	26E	79280	33220	46060	23.03
6	Ben's	21	21P	79500	28460	51040	25.52
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Tonnage Total 143.68

Appendix F

SounPacific
Environmental Services
(707) 269-0884

Standard Operating Procedures

Groundwater Level Measurements and Free Phase Hydrocarbon Measurements

All SounPacific staff and contractors shall adopt the following procedures any time that groundwater elevations are determined for the purposes of establishing groundwater gradient and direction, and prior to any sampling event.

Wells are to be tested for free phase hydrocarbons (free product) before the first development or sampling of any new well, and in any well that has historically contained free product.

Equipment Checklist

- ❑ Combination water level / free phase hydrocarbon indicator probe (probe)
- ❑ Gauging Data / Purge Calculations Sheet
- ❑ Pencil or Pen/sharpie
- ❑ Disposable Gloves
- ❑ Distilled Water and or know water source on site that is clean
- ❑ Alconox (powder) or Liquinox (liquid) non-phosphate cleaners—do not use soap!
- ❑ Buckets or Tubs for decontamination station
- ❑ Tools necessary to access wells
- ❑ Site Safety Plan
- ❑ This Standard Operating Procedure
- ❑ Notify Job site business that you will be arriving to conduct work.

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.

2. Access and open all monitoring wells to be measured. Allow wells to equilibrate for approximately 15 minutes before taking any measurements.

3. Decontaminate probe with Alconox or Liquinox solution, and rinse with distilled water.

4. Determine the diameter of the well to be measured and indicate this on the Gauging Data / Purge Calculations Sheet.

5. Words of caution: Please be careful with water level and product meters probes are not attached with high strength material so please make sure to avoid catching the end on anything in the well and make sure not to wind reel to the point that it could pull on the probe. ***If product is suspect in a well, go to step 6, if no product is suspected go to step 7 below.***

6. **When product is present or suspected:** use the product level meter. Clip the static charge clamp to the side of the well casing. Then lower probe into the well through the product/water interface about one foot if possible. Then slowly raise the probe back up through the product/water interface layer and record the level as the tone changes from solid to broken-record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTP). Continue to raise the probe up through the product until the tone stops completely-record this level on the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW). Then go to step 8.

7. **When no product is present or suspected:** If no free product is present, record the depth of the water (to the nearest 0.01 foot) relative to the painted black mark on the top of the well casing. Leave the probe in the well just a hair above the water level to ensure the well as equilibrated. As the well rises, the tone will sound. Make sure no increase in water levels have occurred in over a ten-minute period. Water levels can lower as well as rise. Make sure you note when the level you keep lowering the probe to has remained stable for at least ten minutes. Once this has been accomplished, please record this level in the Gauging Data / Purge Calculations Sheet to the nearest 0.01 foot (DTW).

8. Turn off the probe, and use the probe to determine the depth to the bottom of the well relative to the top of the well casing. This is the depth to bottom measurement (DTB).

9. Decontaminate probe and tape by washing in an Alconox/Liquinox solution ***(read directions on solution for ratio of water to cleanser)*** and use the toothbrush provided to remove any foreign substance from the probe and tape. Then triple rinse probe and tape with clean water and then proceed to take measurements in the next well.

10. If sampling is to occur, proceed to implement SounPacific's Standard Operating Procedure for Monitoring Well Purging and Sampling. If no sampling is to be performed, close and secure all wells and caps.

SounPacific
Environmental Services
(707) 269-0884

Standard Operating Procedures

Monitoring Well Purging and Groundwater Sampling

All SounPacific employees and contractors shall adopt the following procedures any time that groundwater samples are to be taken from an existing groundwater monitoring well.

Prior to the implementation of these procedures, the groundwater level **MUST** be measured and the presence of free phase hydrocarbons determined in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Equipment Checklist

- ❑ **Gauging Data / Purge Calculations Sheet used for water level determination**
- ❑ Chain of Custody Form
- ❑ pH/ Conductivity / Temperature meter
- ❑ Pencil or Pen
- ❑ Indelible Marker
- ❑ Calculator
- ❑ Disposable Gloves
- ❑ Distilled Water
- ❑ Alconox/liquinox liquid or powdered non-phosphate cleaner
- ❑ Buckets or Tubs for decontamination station
- ❑ Bottom-filling bailer or pumping device for purging
- ❑ Disposable bottom-filling bailer and emptying device for sampling
- ❑ String, twine or fishing line for bailers
- ❑ Sample containers appropriate for intended analytical method (check with lab)
- ❑ Sample labels
- ❑ Site Safety Plan
- ❑ Tools necessary to access wells
- ❑ Drum space on site adequate for sampling event

Procedure

1. Review Site Safety Plan and utilize personal protection appropriate for the contaminants that may be encountered.

2. Measure groundwater levels and check for the presence of free product in accordance with the Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements.

Purging

3. Calculate and record the volume of standing water in each well using the information provided on the Gauging Data / Purge Calculations sheet.
   (DTB-DTW) x Conversion Factor = Casing Volume.

4. The purge volume shall be at least three times and no more than seven times the volume of standing water (the casing volume).

5. Purge the well by bailing or pumping water from the well into a calibrated receptacle, such as a five gallon bucket or tub with markings to indicate one gallon increments. Collect purgeate in a 55 gallon labeled drum and store on site. Drum labels should include the date, contents, site number, and SounPacific's name and telephone number.

6. Take measurements of pH, conductivity, temperature, and visual observations to verify the stabilization of these parameters. At least five measurements of these parameters should be made throughout the purging process. The parameters shall be considered stabilized if successive measurements vary by less than 0.25 pH units, 10% of conductivity in μS, and 1°C (or 1.8°F). Continue purging until at least three times the casing volume has been removed, and the measured parameters have stabilized as indicated above. Do not exceed seven casing volumes.

7. Take a final depth to groundwater measurement and calculate the casing volume of the recharged well. Ideally, the casing volume should have recharged to at least 80% of the original measured casing volume before sampling commences. If due to slow recharge rates it is not feasible to wait for the well to fully recharge, then note this on the Gauging Data / Purge Calculation Sheet and proceed to sample following the procedure below.

Sampling

8. **After completing groundwater measurement, and checking for free product if necessary, in accordance with SounPacific's Standard Operating Procedures for Groundwater Level Measurements and Free Phase Hydrocarbon Measurements, and after purging monitoring wells as described above, groundwater samples may be collected.**

9. Slowly lower a clean, previously unused disposable bailer into the well water approximately half of the bailer length, and allow the bailer to slowly fill.

10. Withdraw the full bailer from the monitoring well and utilize the included (clean and unused) bottom-emptying device to fill the necessary sample containers, and seal the container with the included PTFE (Teflon) lined cap.

11. When filling VOAs, fill the VOA completely full, with the meniscus rising above the rim of the bottle. Carefully cap the VOA and invert it and gently tap it to determine whether air bubbles are trapped inside. If the VOA contains air bubbles, refill the VOA and repeat this step.

12. All samples shall be labeled with the Sample ID, the Sample Date, and the Sample Location or Project Number. Use an indelible marker for writing on sample labels.

13. Record all pertinent sample data on the Chain of Custody.

14. Place samples in an ice chest cooled to 4°C with ice or "blue ice". Bottles should be wrapped in bubble wrap, and VOA's should be inserted in a foam VOA holder to protect against breakage. Samples are to be kept at 4°C until delivered to the laboratory. Any transference of sample custody shall be indicated on the Chain of Custody with the appropriate signatures as necessary.

15. Utilize clean, previously unused gloves, bailer and line, and bottom-emptying device for each well sampled.

16. When finished with all sampling, close and secure all monitoring wells.

17. Leave the site cleaner than when you arrived and drive safely.